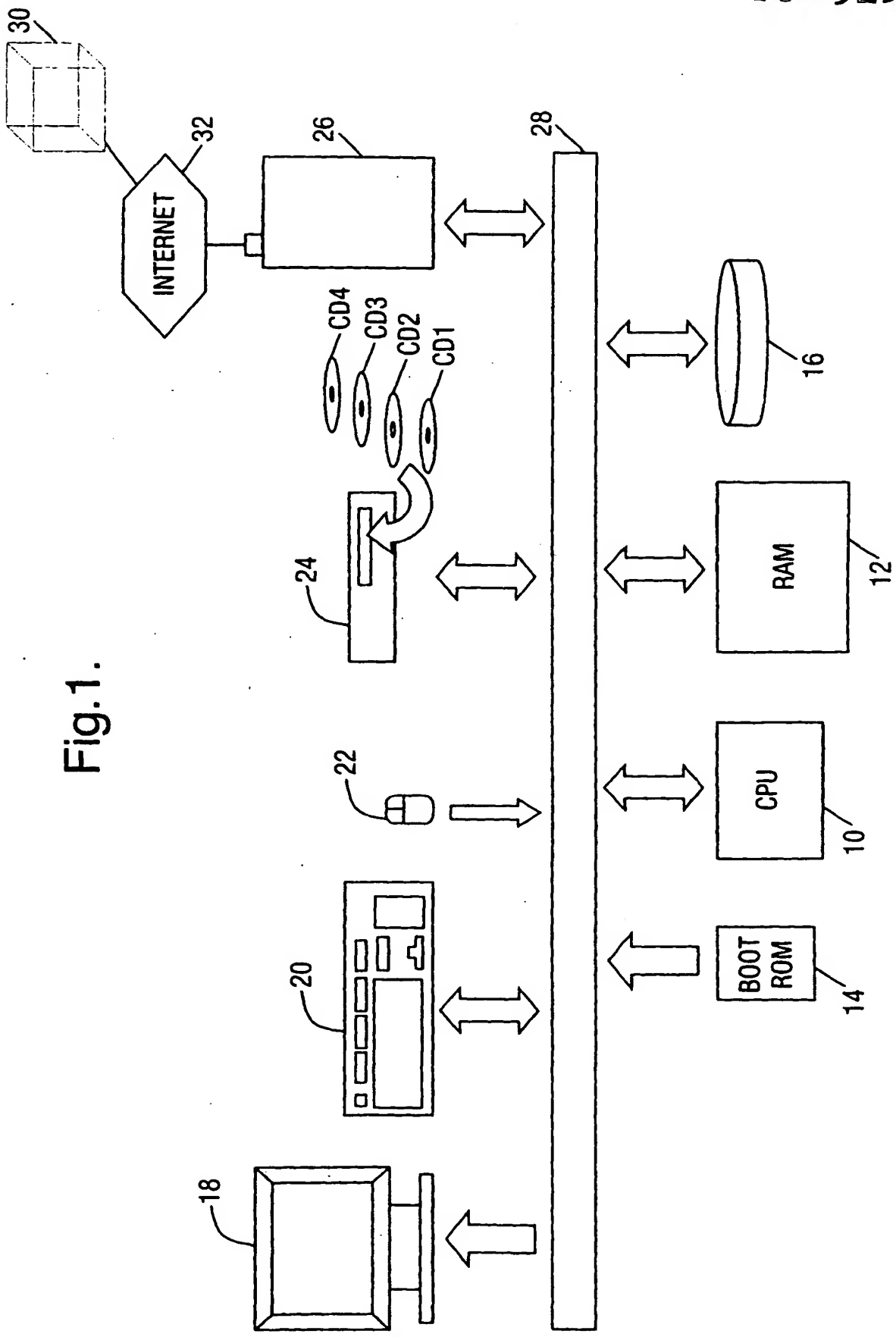


Fig.1.

BEST AVAILABLE COPY

Fig.2.

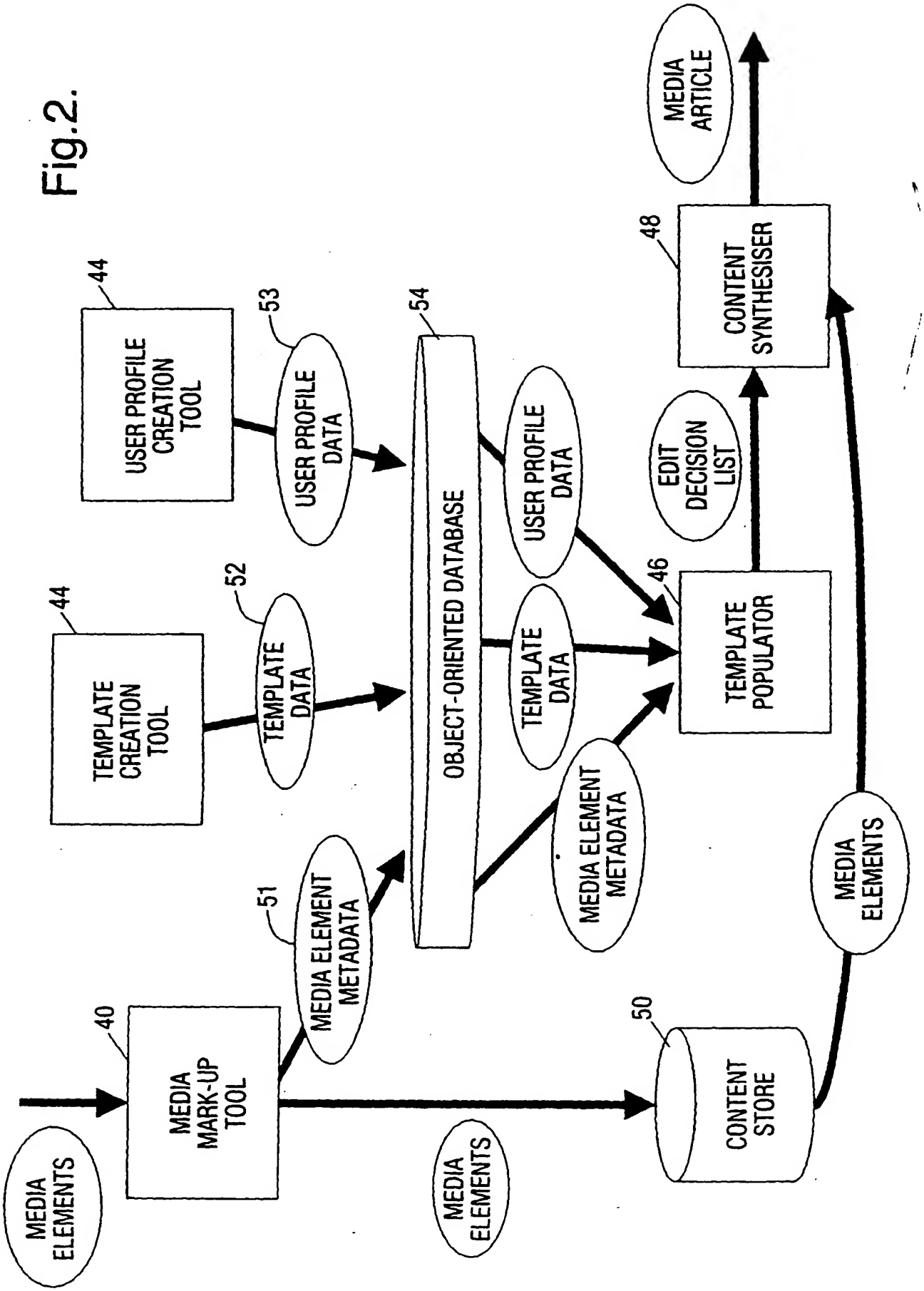

MEDIA ELEMENTS
MEDIA MARK-UP TOOL
40
MEDIA ELEMENT METADATA
51
MEDIA ELEMENTS
CONTENT STORE
50
TEMPLATE CREATION TOOL
44
TEMPLATE DATA
52
USER PROFILE CREATION TOOL
44
USER PROFILE DATA
53
OBJECT-ORIENTED DATABASE
54
MEDIA ELEMENT METADATA
TEMPLATE DATA
USER PROFILE DATA
TEMPLATE POPULATOR
46
EDIT DECISION LIST
CONTENT SYNTHESISER
48
MEDIA ARTICLE

Fig.3.

Media Element ID	0.53		
Media	URI	file://c:/media/AvB/0.53.avi	
	Format	windowsmedia	
	Position	In	65:05
		Out	65:35
Structural	Description	Team B Goal 2	
	Event	Nature	Goal
		Performer	Paulo Di Canio
		Recipient	Fabien Barthez
Domain Specific	Teams	Home Team	Team A
		Away Team	Team B
	Performer Allegiance	Team A	
	Recipient Allegiance	Team B	
Conceptual	Interest Value	0.7	
	Rating	PG	
Relationship	Sequence ID	1.4	
	Sequence Location	2	
	Cause Object ID	CO1	

Fig.3B.

Cause Object ID	CO1	
Relationship	ID of caused media element(s)	0.53
	ID of causal media element(s)	0.52

Fig.6.

Title	Football Goal Highlights Template	
Section	Name	Intro
	Query	URI contains " Football Intro"
Section	Name	Main
	Query	(Team is "!Profile(Profile/Sports//Team)") AND (Action is "Goal")
	Constraint	Target Duration = 150s
Section	Name	Outro
	Query	URI contains "outro"

Fig.7.

Name	John Talbot		
Sports	Football	Team	Team B
		Player	Paulo Di Canio
		Player	Trevor Sinclair
	Cricket	Team	Essex
		Player	Nasser Hussain
Films	Actor / Actress		Milla Jovovich
			Jimmy Nail

Fig.4A.

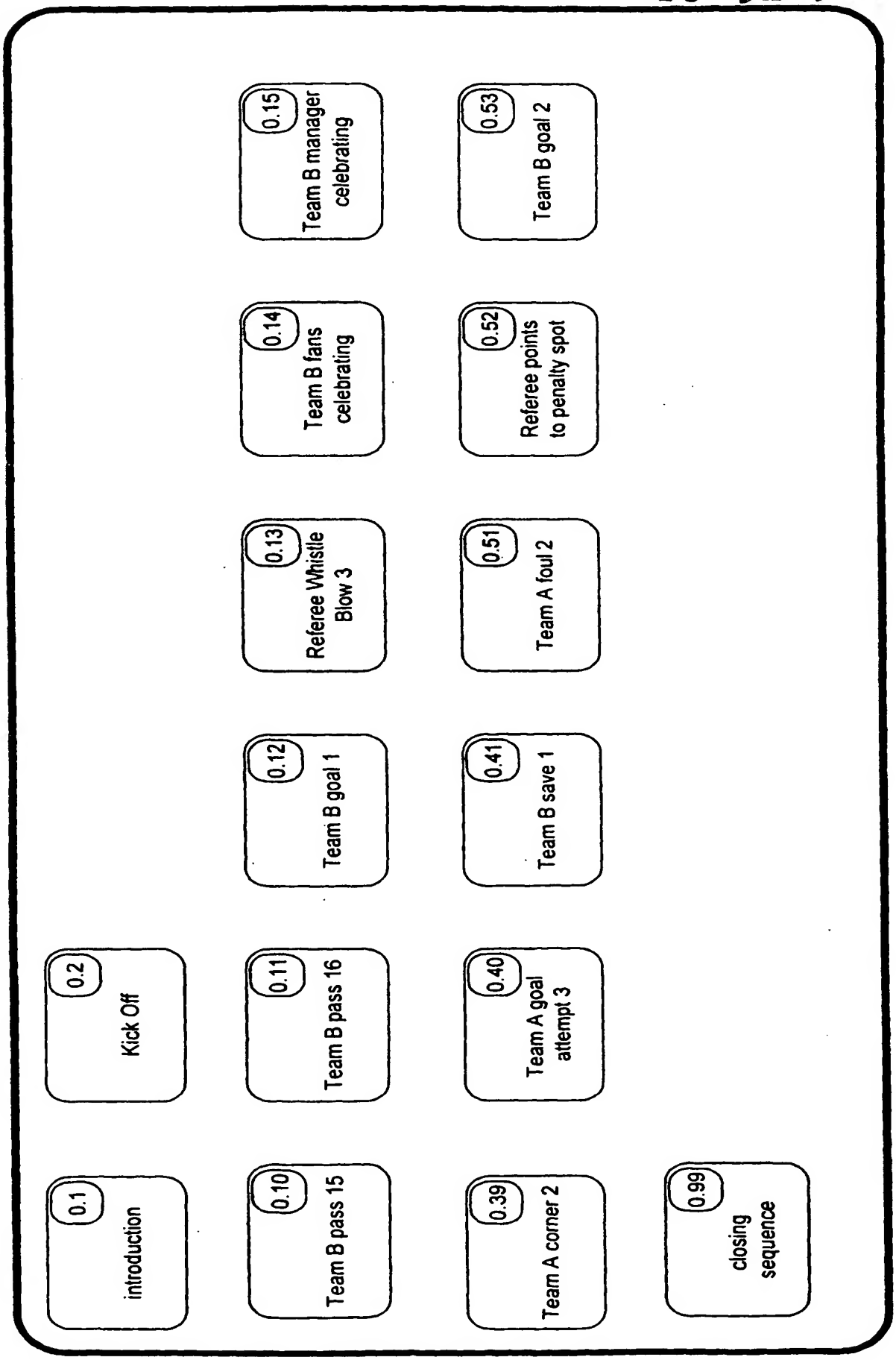

0.1
introduction
0.2
Kick Off
0.10
Team B pass 15
0.11
Team B pass 16
0.12
Team B goal 1
0.13
Referee Whistle Blow 3
0.14
Team B fans celebrating
0.15
Team B manager celebrating
0.39
Team A corner 2
0.40
Team A goal attempt 3
0.41
Team B save 1
0.51
Team A foul 2
0.52
Referee points to penalty spot
0.53
Team B goal 2
0.99
closing sequence

Fig.4B.

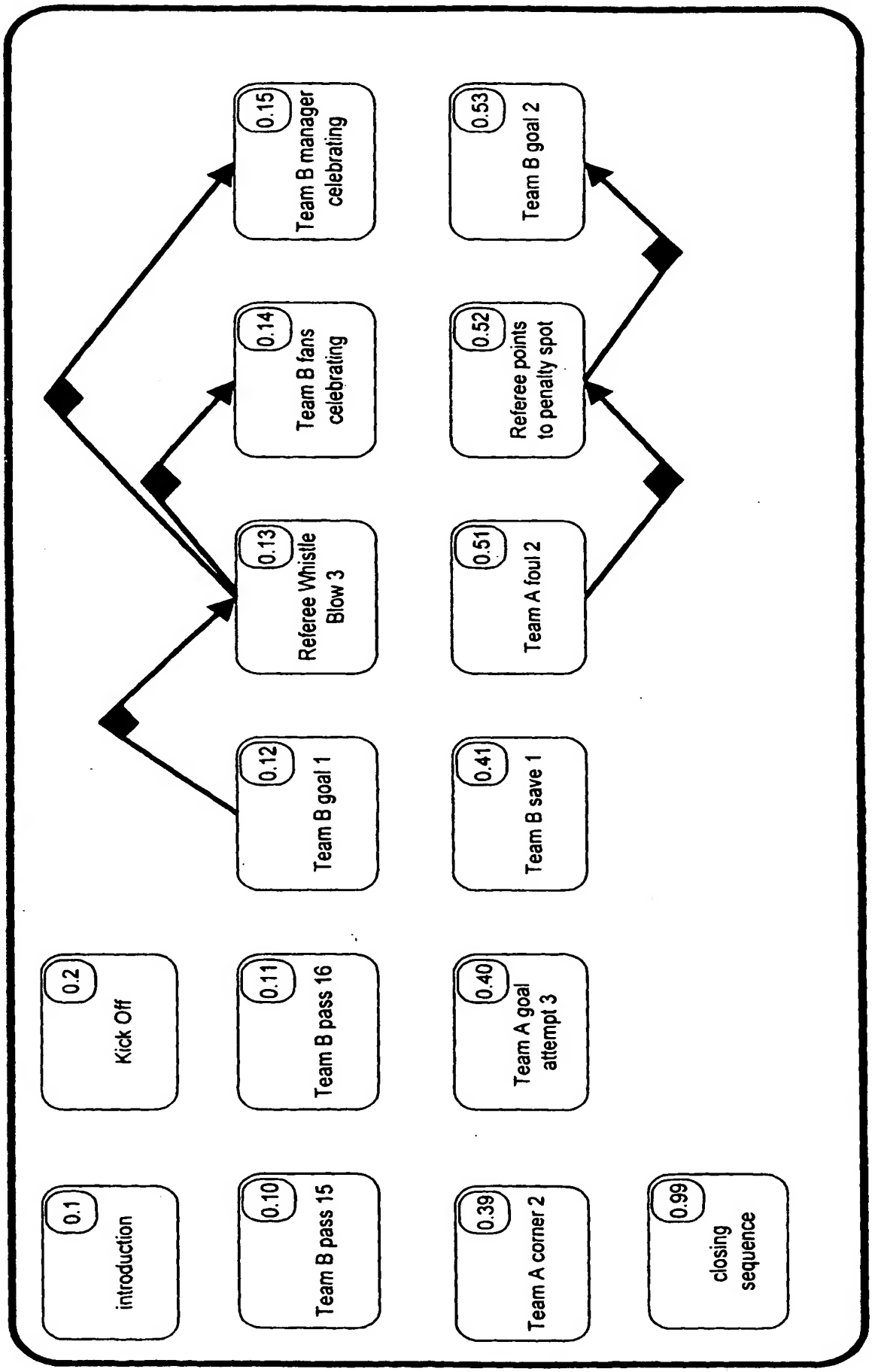

0.1
introduction
0.2
Kick Off
0.10
Team B pass 15
0.11
Team B pass 16
0.39
Team A corner 2
0.40
Team A goal attempt 3
0.99
closing sequence
0.12
Team B goal 1
0.13
Referee Whistle Blow 3
0.14
Team B fans celebrating
0.15
Team B manager celebrating
0.41
Team B save 1
0.51
Team A foul 2
0.52
Referee points to penalty spot
0.53
Team B goal 2

Fig.4C.

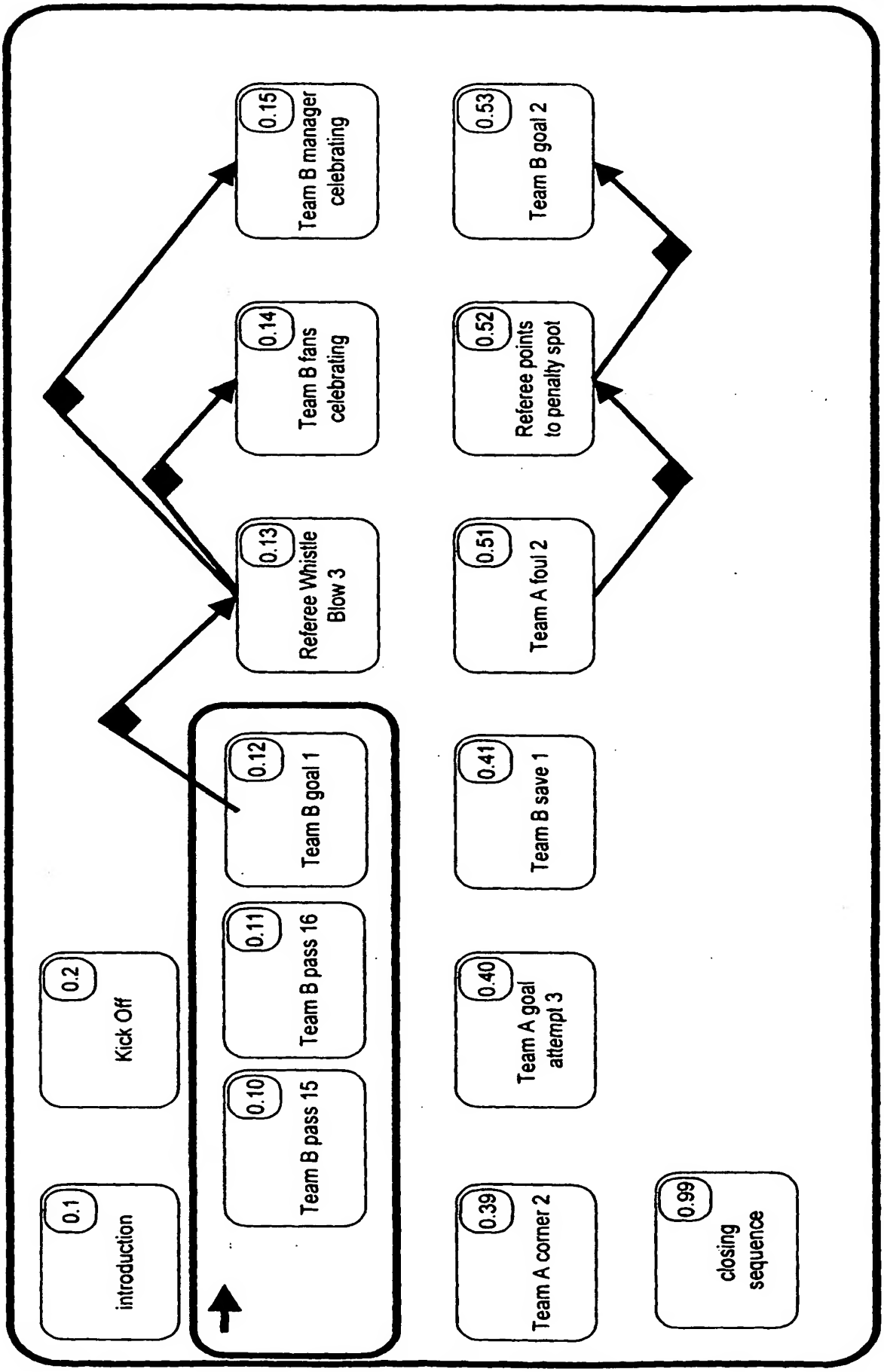

0.1
introduction
0.2
Kick Off
0.10
Team B pass 15
0.11
Team B pass 16
0.12
Team B goal 1
0.13
Referee Whistle Blow 3
0.14
Team B fans celebrating
0.15
Team B manager celebrating
0.39
Team A corner 2
0.40
Team A goal attempt 3
0.41
Team B save 1
0.51
Team A foul 2
0.52
Referee points to penalty spot
0.53
Team B goal 2
0.99
closing sequence

Fig.4D.

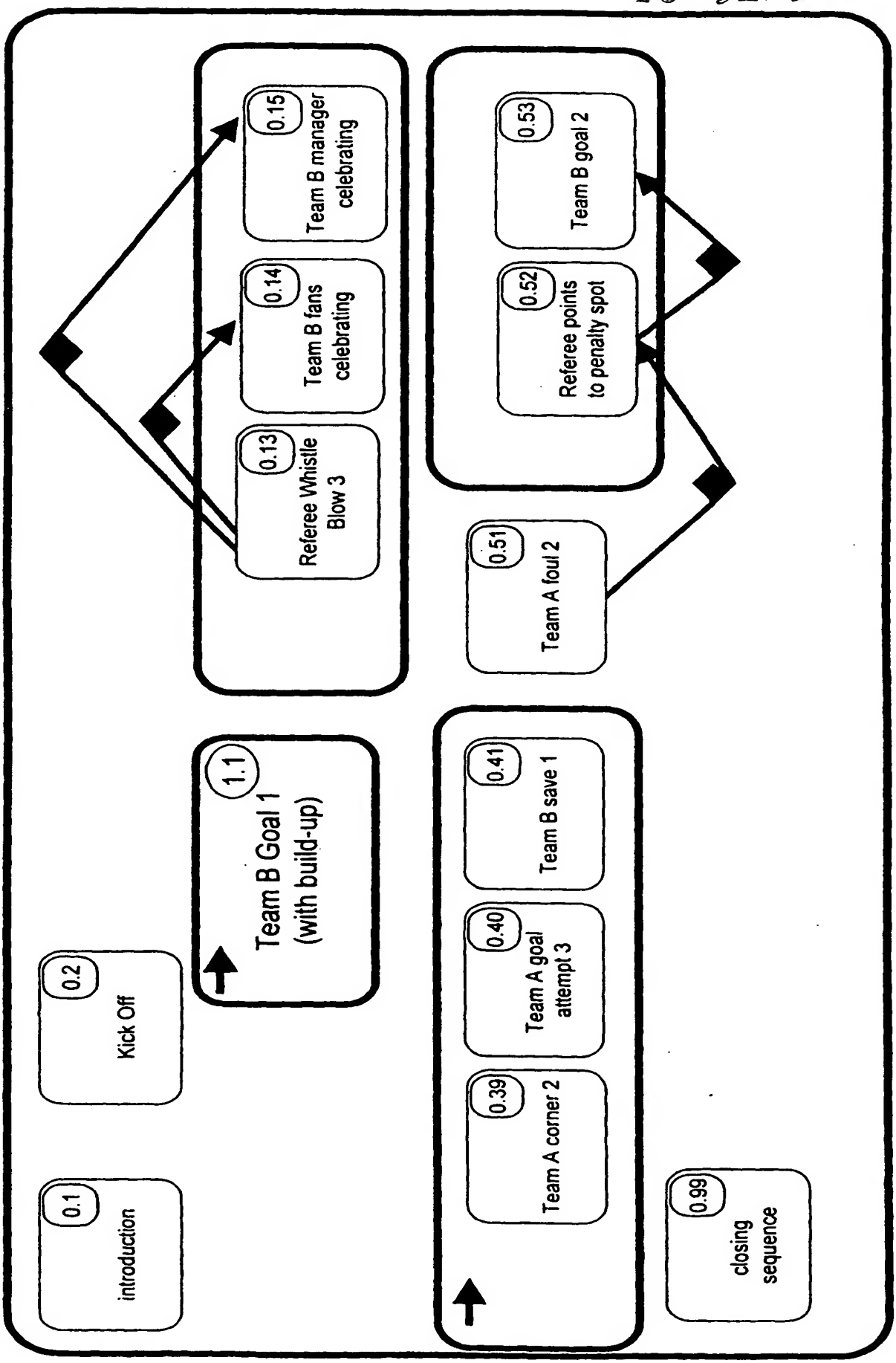

0.1
introduction
0.2
Kick Off
1.1
Team B Goal 1
(with build-up)
0.13
Referee Whistle
Blow 3
0.14
Team B fans
celebrating
0.15
Team B manager
celebrating
0.51
Team A foul 2
0.52
Referee points
to penalty spot
0.53
Team B goal 2
0.39
Team A corner 2
0.40
Team A goal
attempt 3
0.41
Team B save 1
0.99
closing
sequence

Fig.4E.

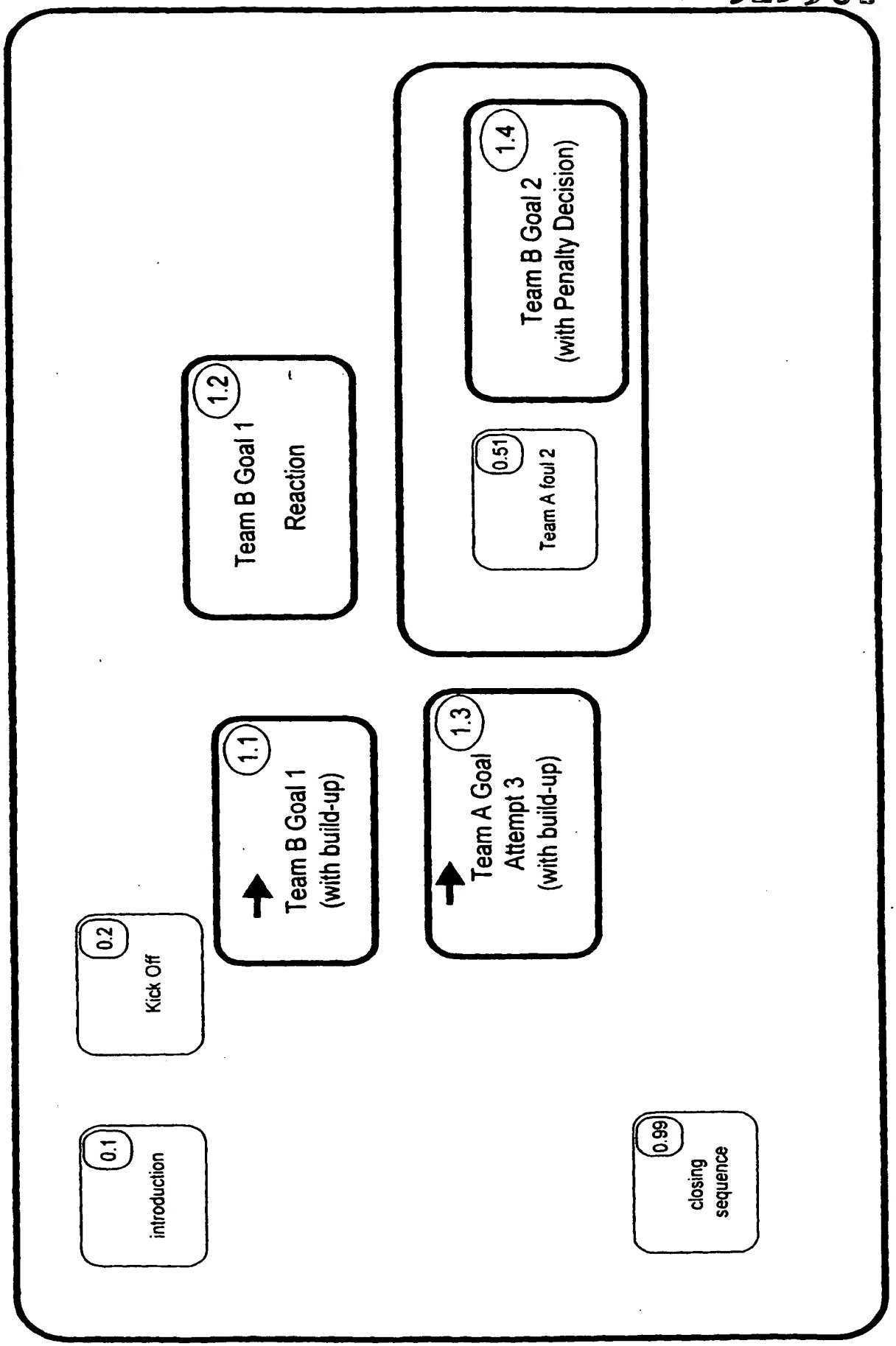

0.1
introduction
0.2
Kick Off
1.1
Team B Goal 1
(with build-up)
1.2
Team B Goal 1
Reaction
1.3
Team A Goal
Attempt 3
(with build-up)
0.51
Team A foul 2
1.4
Team B Goal 2
(with Penalty Decision)
0.99
closing
sequence

Fig.4F.

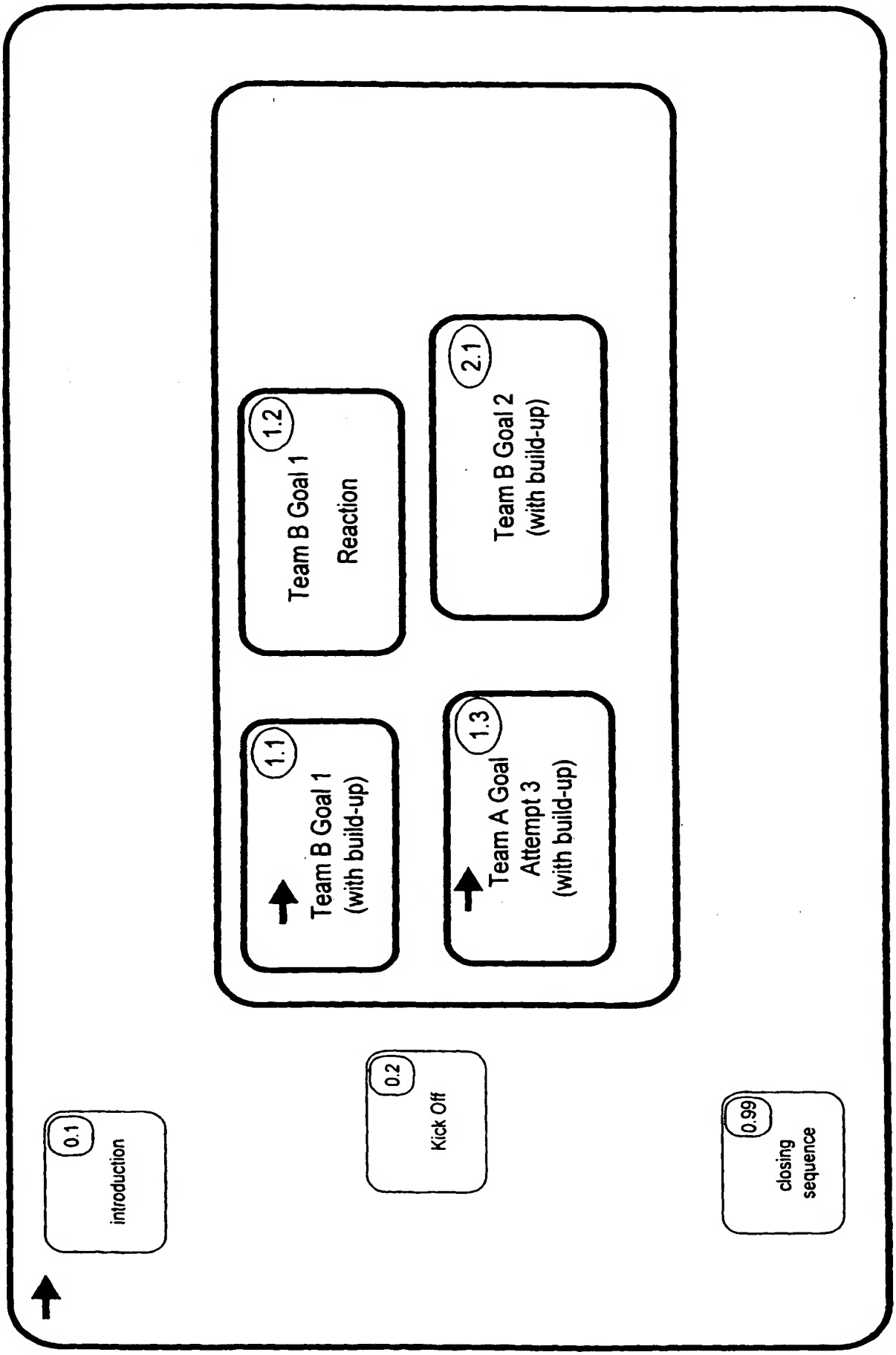

0.1
introduction
0.2
Kick Off
0.99
closing sequence
1.1
Team B Goal 1 (with build-up)
1.2
Team B Goal 1 Reaction
1.3
Team A Goal Attempt 3 (with build-up)
2.1
Team B Goal 2 (with build-up)

Fig.4G.

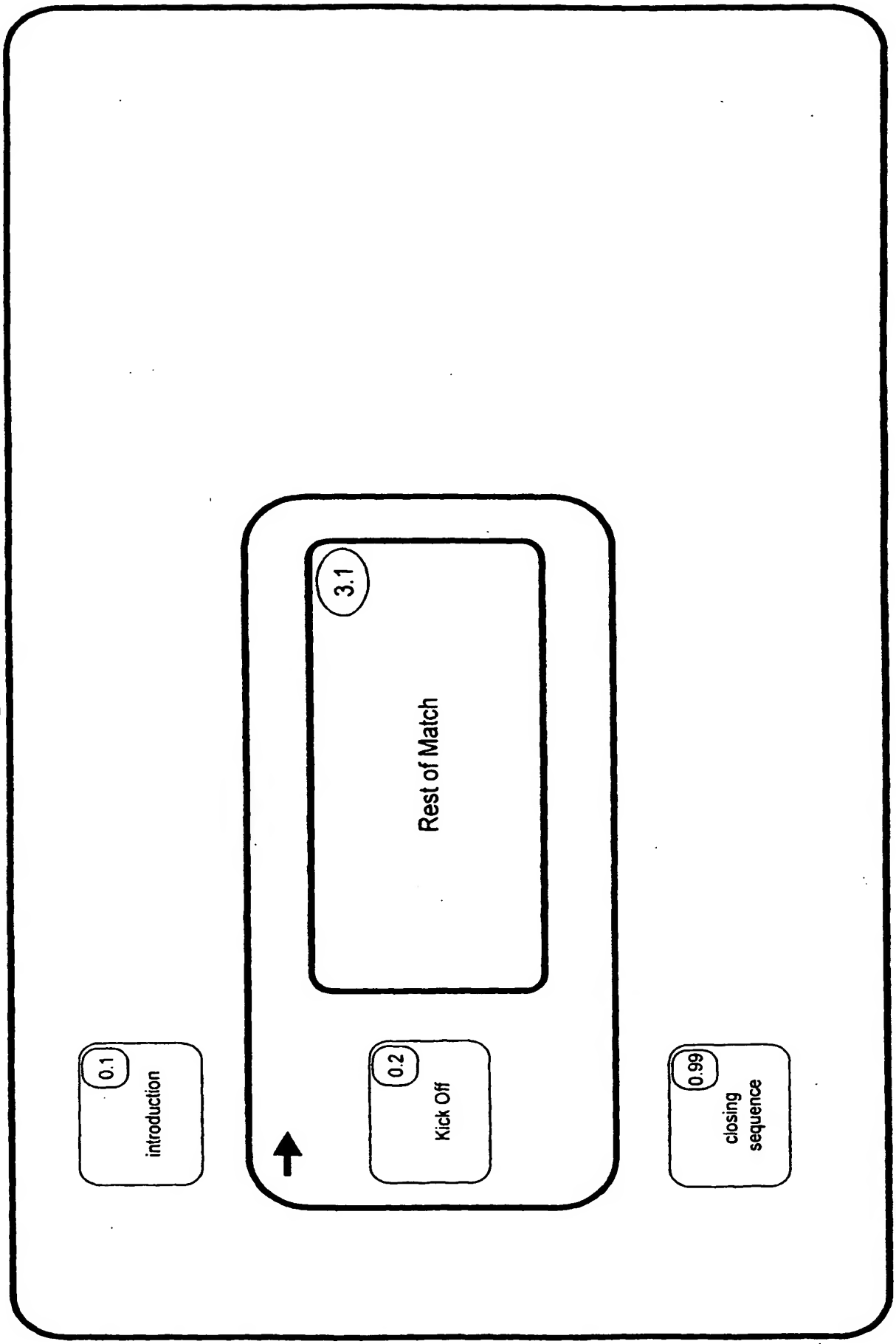

0.1
introduction
3.1
Rest of Match
0.2
Kick Off
0.99
closing sequence

Fig.5.

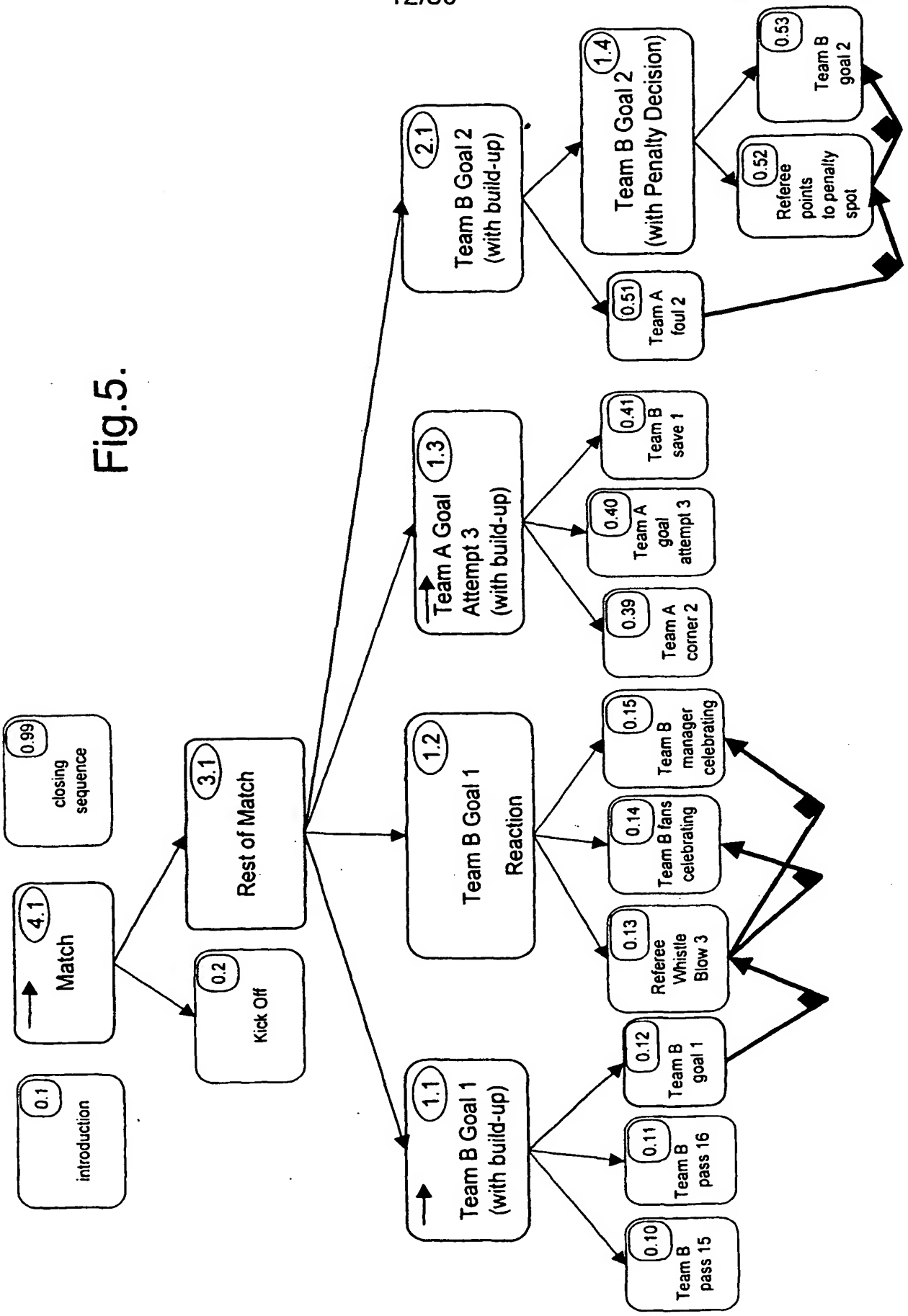

0.1 introduction
4.1 Match
0.2 Kick Off
3.1 Rest of Match
0.99 closing sequence
1.1 Team B Goal 1 (with build-up)
0.10 Team B pass 15
0.11 Team B pass 16
0.12 Team B goal 1
1.2 Team B Goal 1 Reaction
0.13 Referee Whistle Blow 3
0.14 Team B fans celebrating
0.15 Team B manager celebrating
1.3 Team A Goal Attempt 3 (with build-up)
0.39 Team A corner 2
0.40 Team A goal attempt 3
0.41 Team B save 1
2.1 Team B Goal 2 (with build-up)
0.51 Team A foul 2
1.4 Team B Goal 2 (with Penalty Decision)
0.52 Referee points to penalty spot
0.53 Team B goal 2

Fig.8.

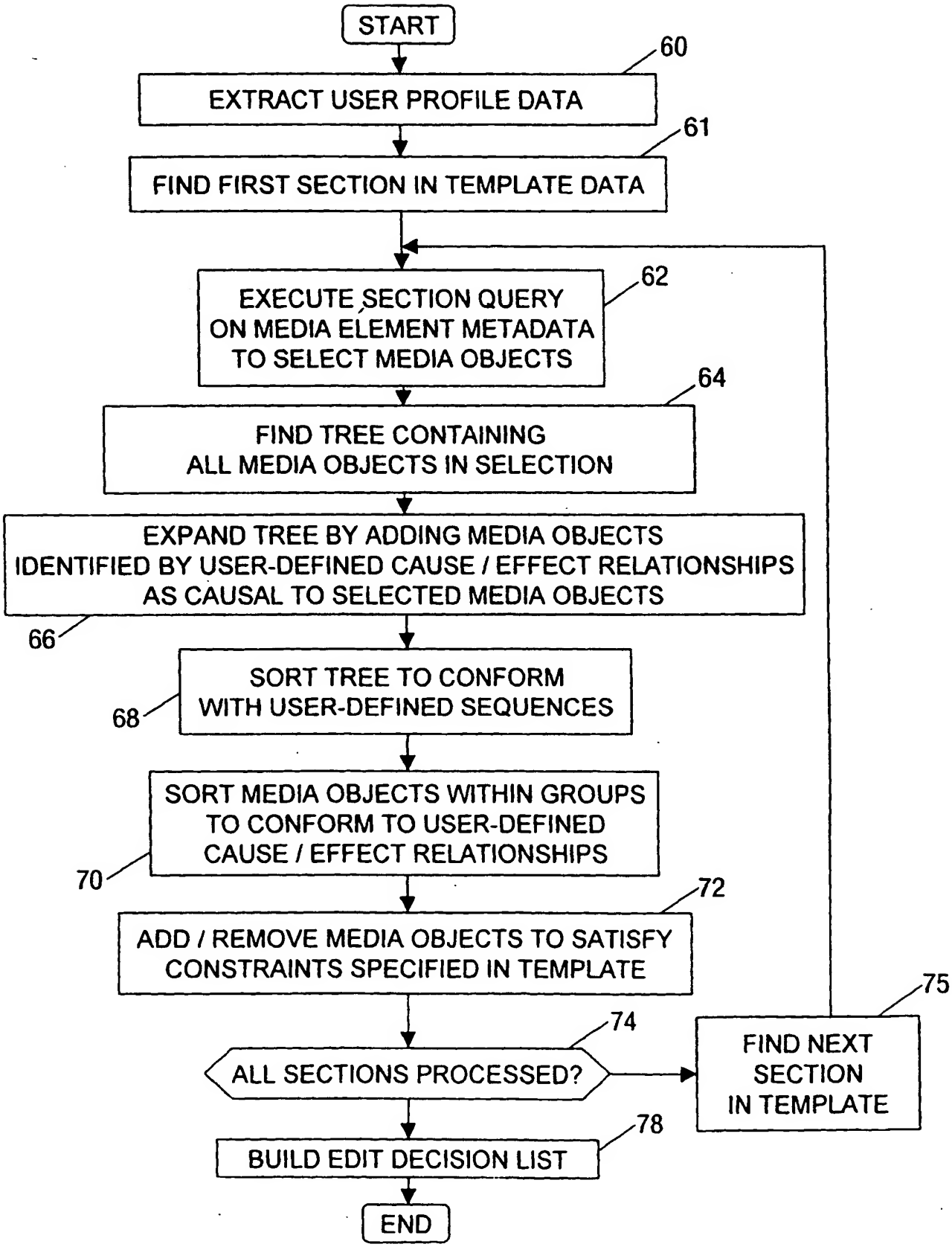

START
60
EXTRACT USER PROFILE DATA
61
FIND FIRST SECTION IN TEMPLATE DATA
62
EXECUTE SECTION QUERY ON MEDIA ELEMENT METADATA TO SELECT MEDIA OBJECTS
64
FIND TREE CONTAINING ALL MEDIA OBJECTS IN SELECTION
EXPAND TREE BY ADDING MEDIA OBJECTS IDENTIFIED BY USER-DEFINED CAUSE / EFFECT RELATIONSHIPS AS CAUSAL TO SELECTED MEDIA OBJECTS
66
SORT TREE TO CONFORM WITH USER-DEFINED SEQUENCES
68
SORT MEDIA OBJECTS WITHIN GROUPS TO CONFORM TO USER-DEFINED CAUSE / EFFECT RELATIONSHIPS
70
72
ADD / REMOVE MEDIA OBJECTS TO SATISFY CONSTRAINTS SPECIFIED IN TEMPLATE
74
ALL SECTIONS PROCESSED?
75
FIND NEXT SECTION IN TEMPLATE
78
BUILD EDIT DECISION LIST
END

Fig.9.

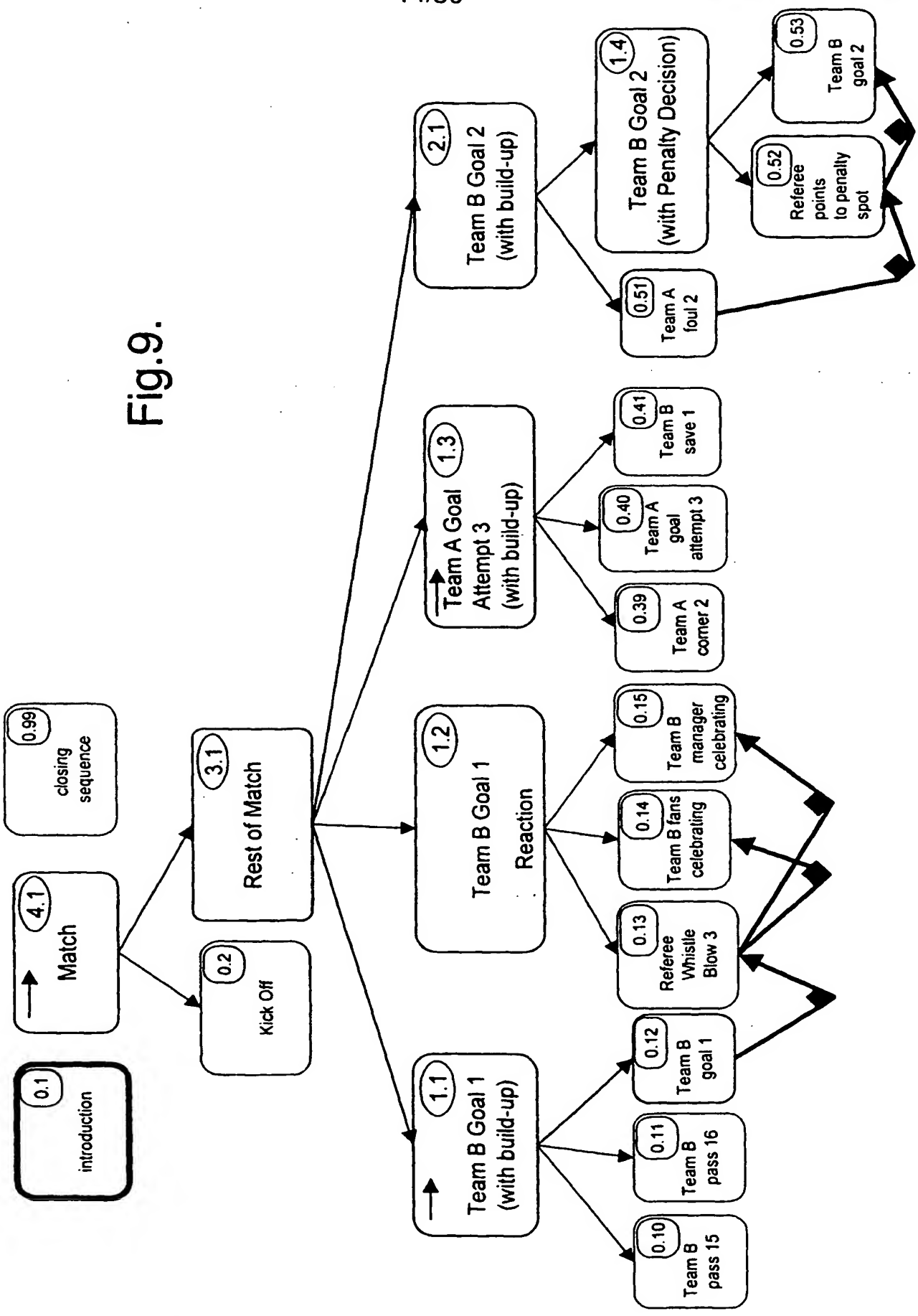

0.1 introduction
4.1 Match
0.2 Kick Off
3.1 Rest of Match
0.99 closing sequence
1.1 Team B Goal 1 (with build-up)
0.10 Team B pass 15
0.11 Team B pass 16
0.12 Team B goal 1
1.2 Team B Goal 1 Reaction
0.13 Referee Whistle Blow 3
0.14 Team B fans celebrating
0.15 Team B manager celebrating
1.3 Team A Goal Attempt 3 (with build-up)
0.39 Team A corner 2
0.40 Team A goal attempt 3
0.41 Team B save 1
2.1 Team B Goal 2 (with build-up)
0.51 Team A foul 2
1.4 Team B Goal 2 (with Penalty Decision)
0.52 Referee points to penalty spot
0.53 Team B goal 2

Fig.10A.

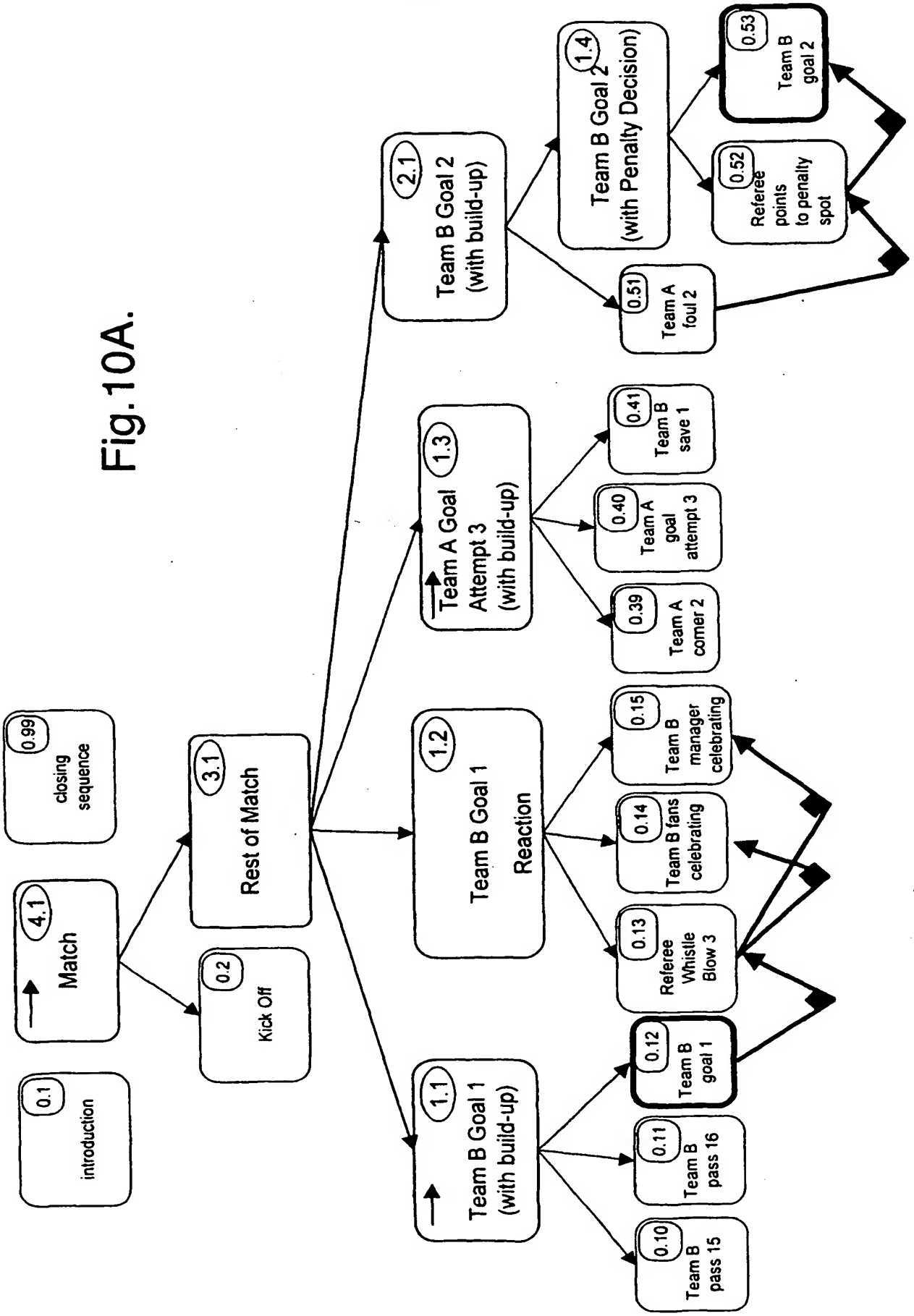

0.1
introduction
4.1
Match
0.2
Kick Off
3.1
Rest of Match
0.99
closing sequence
1.1
Team B Goal 1 (with build-up)
0.10
Team B pass 15
0.11
Team B pass 16
0.12
Team B goal 1
1.2
Team B Goal 1 Reaction
0.13
Referee Whistle Blow 3
0.14
Team B fans celebrating
0.15
Team B manager celebrating
1.3
Team A Goal Attempt 3 (with build-up)
0.39
Team A corner 2
0.40
Team A goal attempt 3
0.41
Team B save 1
2.1
Team B Goal 2 (with build-up)
0.51
Team A foul 2
1.4
Team B Goal 2 (with Penalty Decision)
0.52
Referee points to penalty spot
0.53
Team B goal 2

Fig.10B.

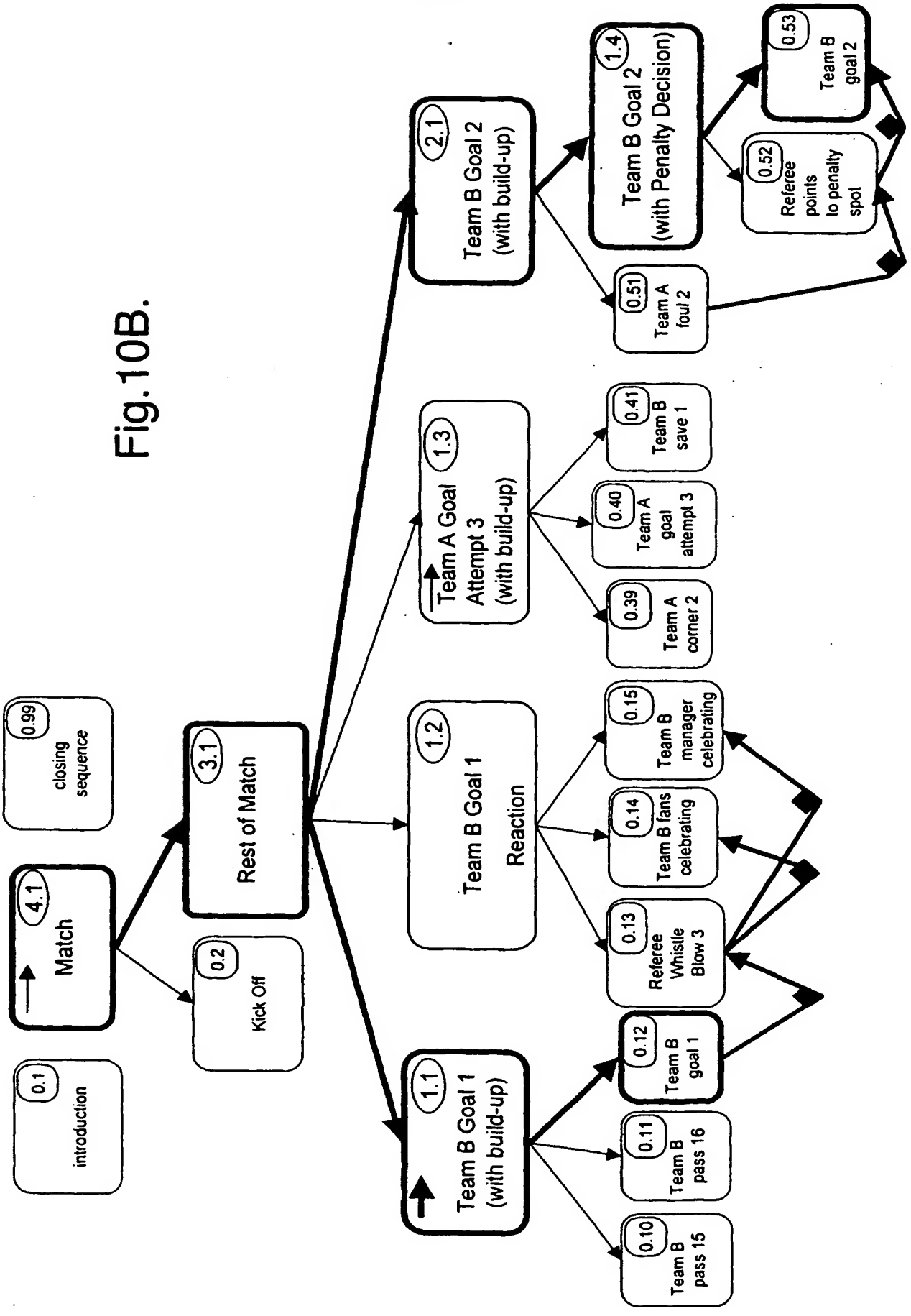

0.1 introduction
4.1 Match
0.2 Kick Off
3.1 Rest of Match
0.99 closing sequence
1.1 Team B Goal 1 (with build-up)
0.10 Team B pass 15
0.11 Team B pass 16
0.12 Team B goal 1
1.2 Team B Goal 1 Reaction
0.13 Referee Whistle Blow 3
0.14 Team B fans celebrating
0.15 Team B manager celebrating
1.3 Team A Goal Attempt 3 (with build-up)
0.39 Team A corner 2
0.40 Team A goal attempt 3
0.41 Team B save 1
2.1 Team B Goal 2 (with build-up)
0.51 Team A foul 2
1.4 Team B Goal 2 (with Penalty Decision)
0.52 Referee points to penalty spot
0.53 Team B goal 2

Fig.10C.

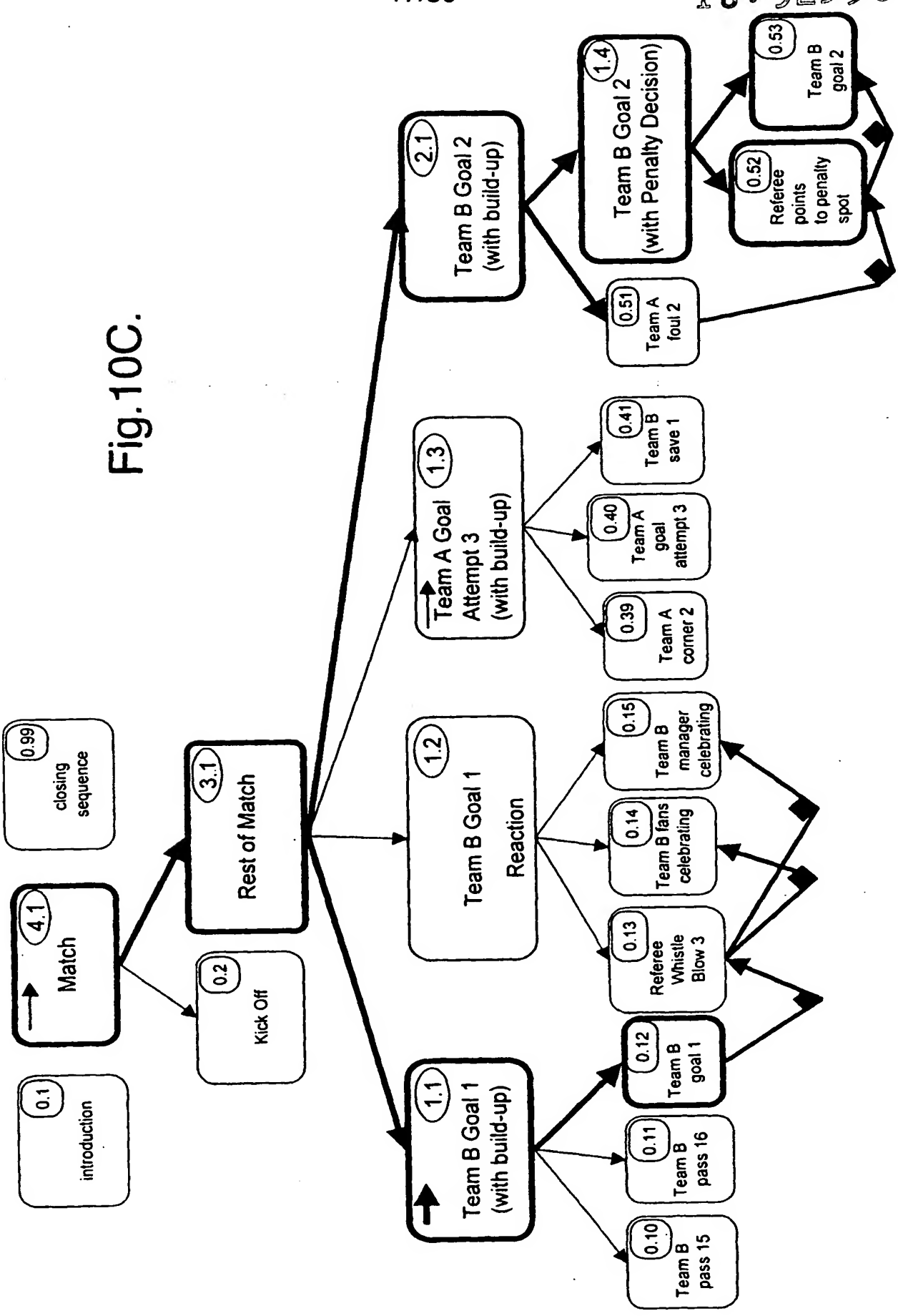

0.1 introduction
4.1 Match
0.2 Kick Off
3.1 Rest of Match
0.99 closing sequence
1.1 Team B Goal 1 (with build-up)
0.10 Team B pass 15
0.11 Team B pass 16
0.12 Team B goal 1
1.2 Team B Goal 1 Reaction
0.13 Referee Whistle Blow 3
0.14 Team B fans celebrating
0.15 Team B manager celebrating
1.3 Team A Goal Attempt 3 (with build-up)
0.39 Team A corner 2
0.40 Team A goal attempt 3
0.41 Team B save 1
2.1 Team B Goal 2 (with build-up)
0.51 Team A foul 2
1.4 Team B Goal 2 (with Penalty Decision)
0.52 Referee points to penalty spot
0.53 Team B goal 2

Fig.10D.

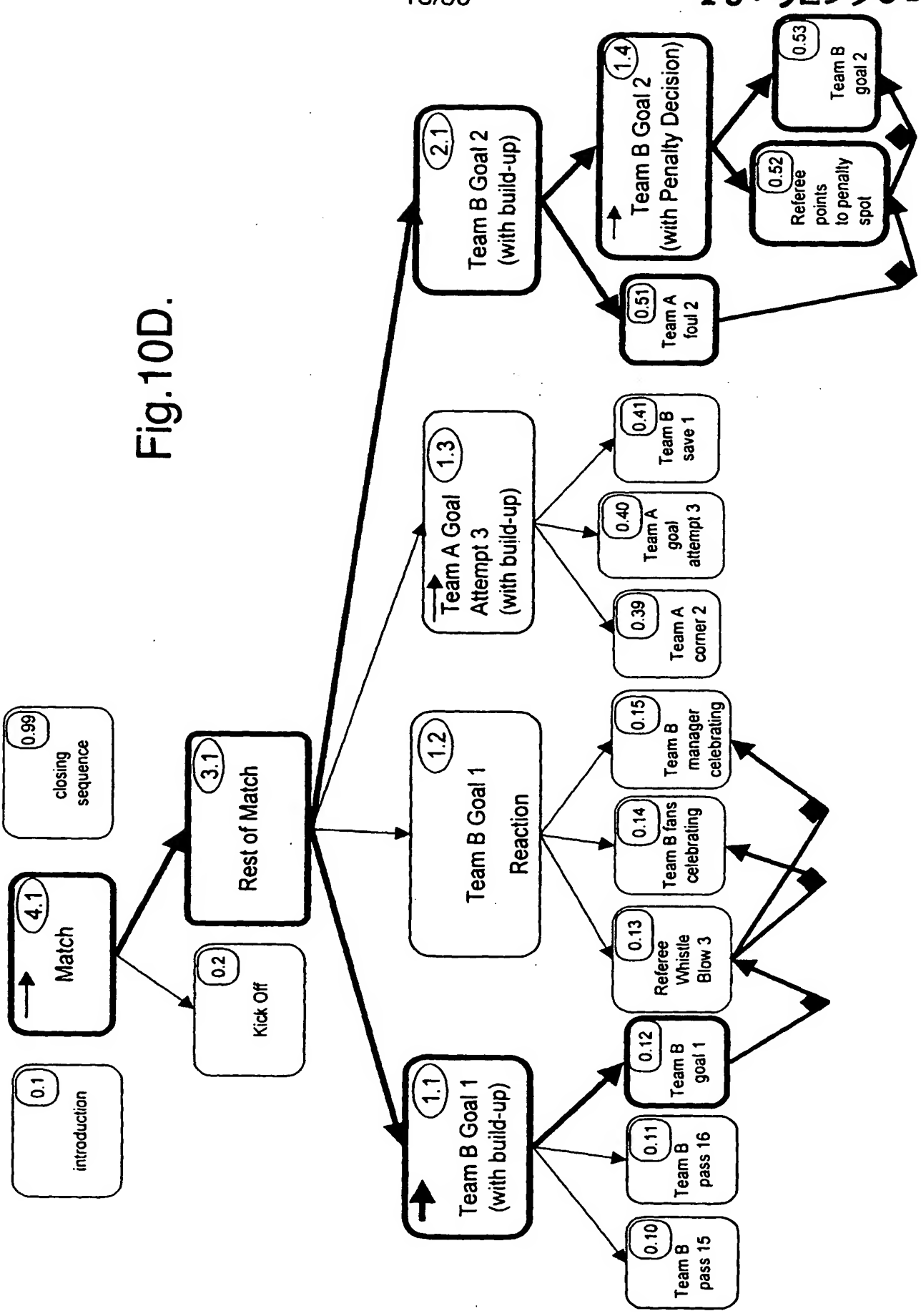

0.1 introduction
4.1 Match
0.2 Kick Off
0.99 closing sequence
3.1 Rest of Match
1.1 Team B Goal 1 (with build-up)
0.10 Team B pass 15
0.11 Team B pass 16
0.12 Team B goal 1
1.2 Team B Goal 1 Reaction
0.13 Referee Whistle Blow 3
0.14 Team B fans celebrating
0.15 Team B manager celebrating
1.3 Team A Goal Attempt 3 (with build-up)
0.39 Team A corner 2
0.40 Team A goal attempt 3
0.41 Team B save 1
2.1 Team B Goal 2 (with build-up)
0.51 Team A foul 2
1.4 Team B Goal 2 (with Penalty Decision)
0.52 Referee points to penalty spot
0.53 Team B goal 2

Fig.11.

AvB Highlights	file://c:/media/intro.avi
	file://c:/media/AvB/010.avi
	file://c:/media/AvB/011.avi
	file://c:/media/AvB/012.avi
	file://c:/media/AvB/052.avi
	file://c:/media/AvB/053.avi
	file://c:/media/outro.avi

Fig.12.

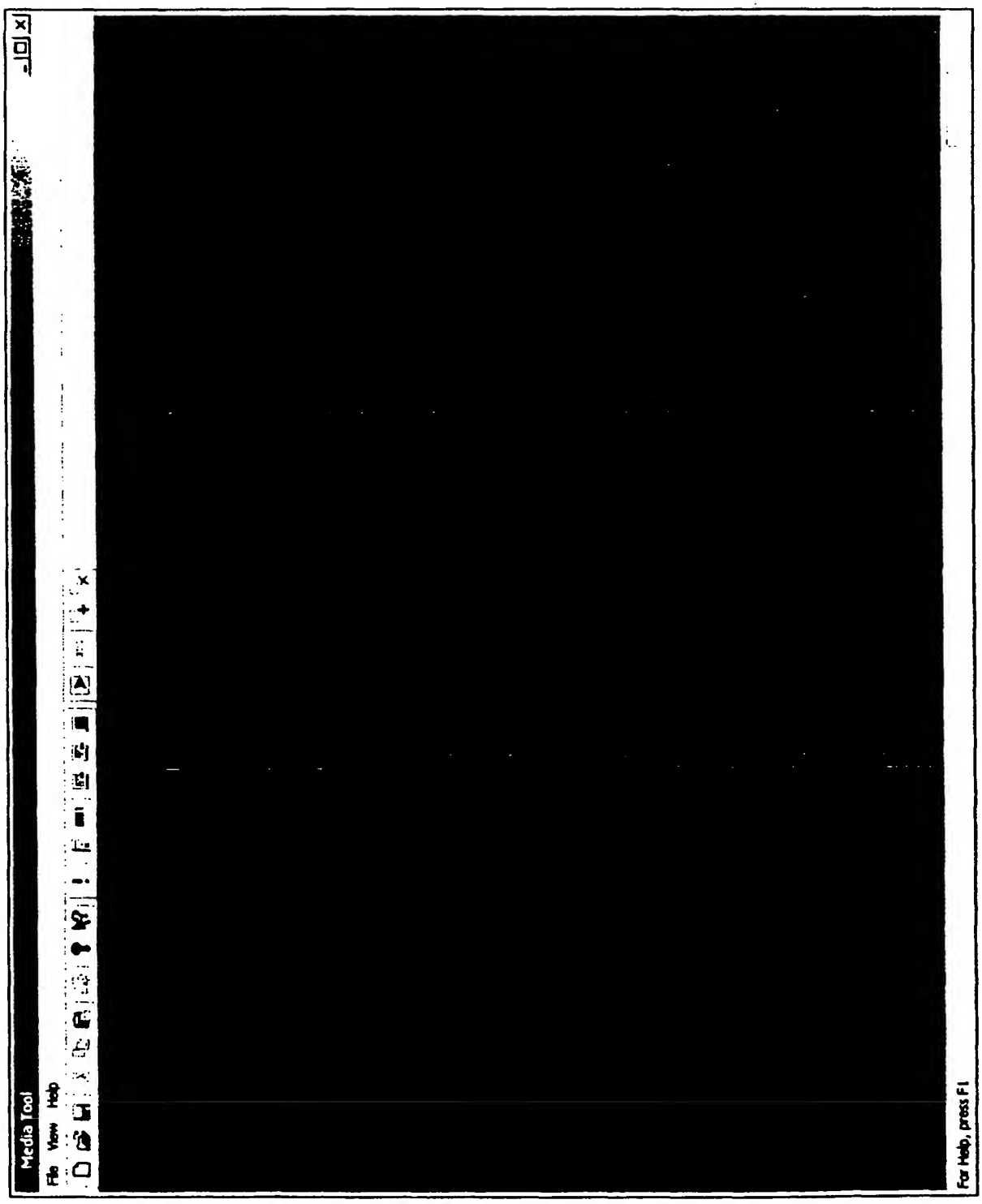


Fig.13.

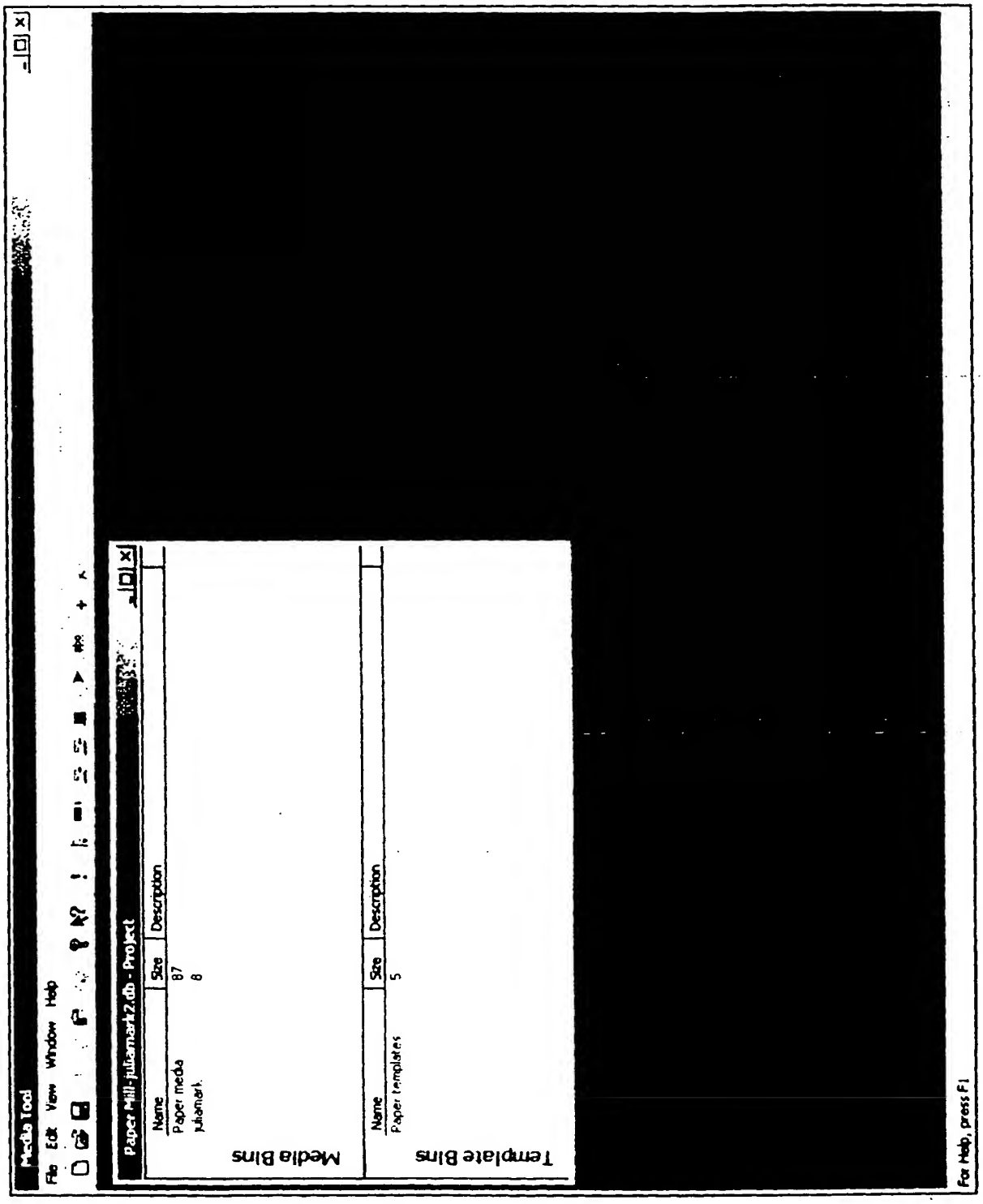

Media Tool
File Edit View Window Help
Paper Mills jmillsmart2.db - Project
Name
Size
Description
Paper media
87
jmillsmart.
8
Media Bins
Name
Size
Description
Paper templates
5
Template Bins
For Help, press F1

Fig.14.

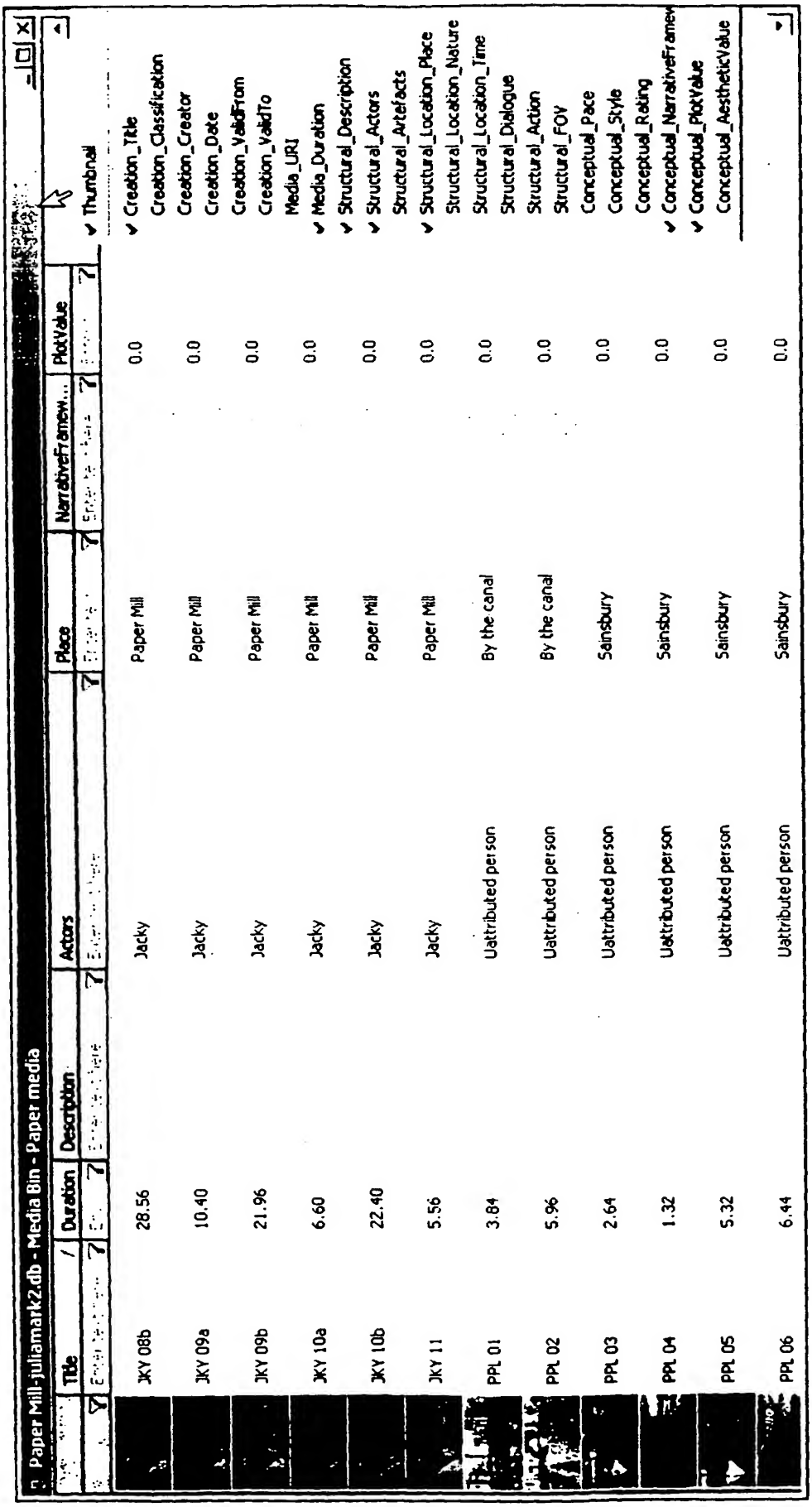

Paper Mill-jullamark2.db - Media Bin - Paper media
Title
Duration
Description
Actors
Place
NarrativeFramew...
PlotValue
Thumbnail
Creation_Title
Creation_Classification
Creation_Creator
Creation_Date
Creation_ValidFrom
Creation_ValidTo
Media_URI
Media_Duration
Structural_Description
Structural_Actors
Structural_Artefacts
Structural_Location_Place
Structural_Location_Nature
Structural_Location_Time
Structural_Dialogue
Structural_Action
Structural_FOV
Conceptual_Pace
Conceptual_Style
Conceptual_Rating
Conceptual_NarrativeFramew
Conceptual_PlotValue
Conceptual_AesthetikValue
JKY 08b 28.56 Jacky Paper Mill 0.0
JKY 09a 10.40 Jacky Paper Mill 0.0
JKY 09b 21.96 Jacky Paper Mill 0.0
JKY 10a 6.60 Jacky Paper Mill 0.0
JKY 10b 22.40 Jacky Paper Mill 0.0
JKY 11 5.56 Jacky Paper Mill 0.0
PPL 01 3.84 Uattributed person By the canal 0.0
PPL 02 5.96 Uattributed person By the canal 0.0
PPL 03 2.64 Uattributed person Sainsbury 0.0
PPL 04 1.32 Uattributed person Sainsbury 0.0
PPL 05 5.32 Uattributed person Sainsbury 0.0
PPL 06 6.44 Uattributed person Sainsbury 0.0

Fig.15.

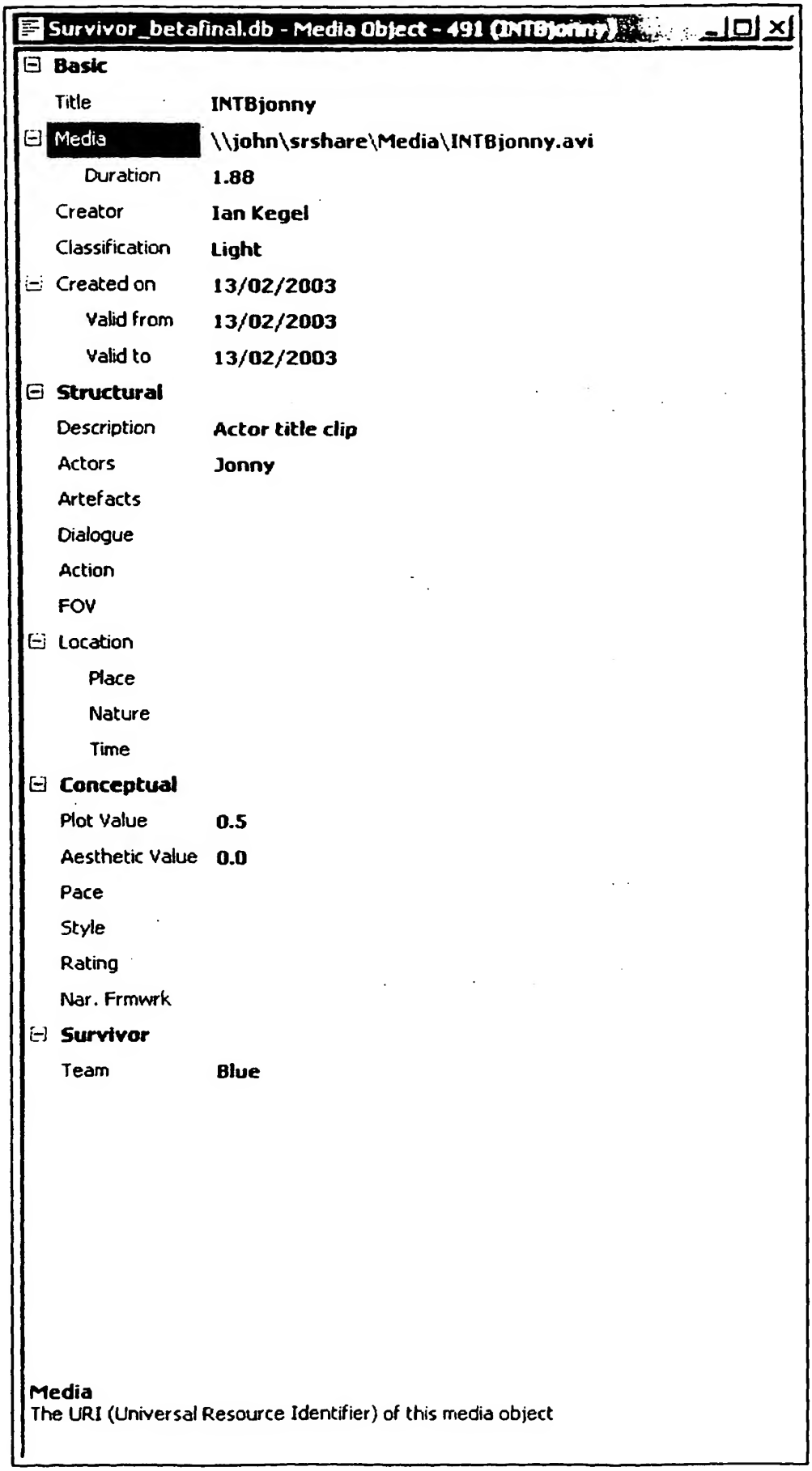

Survivor_betafinal.db - Media Object - 491 (INTBjonny)
Basic
Title INTBjonny
Media \\john\srshare\Media\INTBjonny.avi
Duration 1.88
Creator Ian Kegel
Classification Light
Created on 13/02/2003
Valid from 13/02/2003
Valid to 13/02/2003
Structural
Description Actor title clip
Actors Jonny
Artefacts
Dialogue
Action
FOV
Location
Place
Nature
Time
Conceptual
Plot Value 0.5
Aesthetic Value 0.0
Pace
Style
Rating
Nar. Frmwrk
Survivor
Team Blue
Media
The URI (Universal Resource Identifier) of this media object

Fig.16.

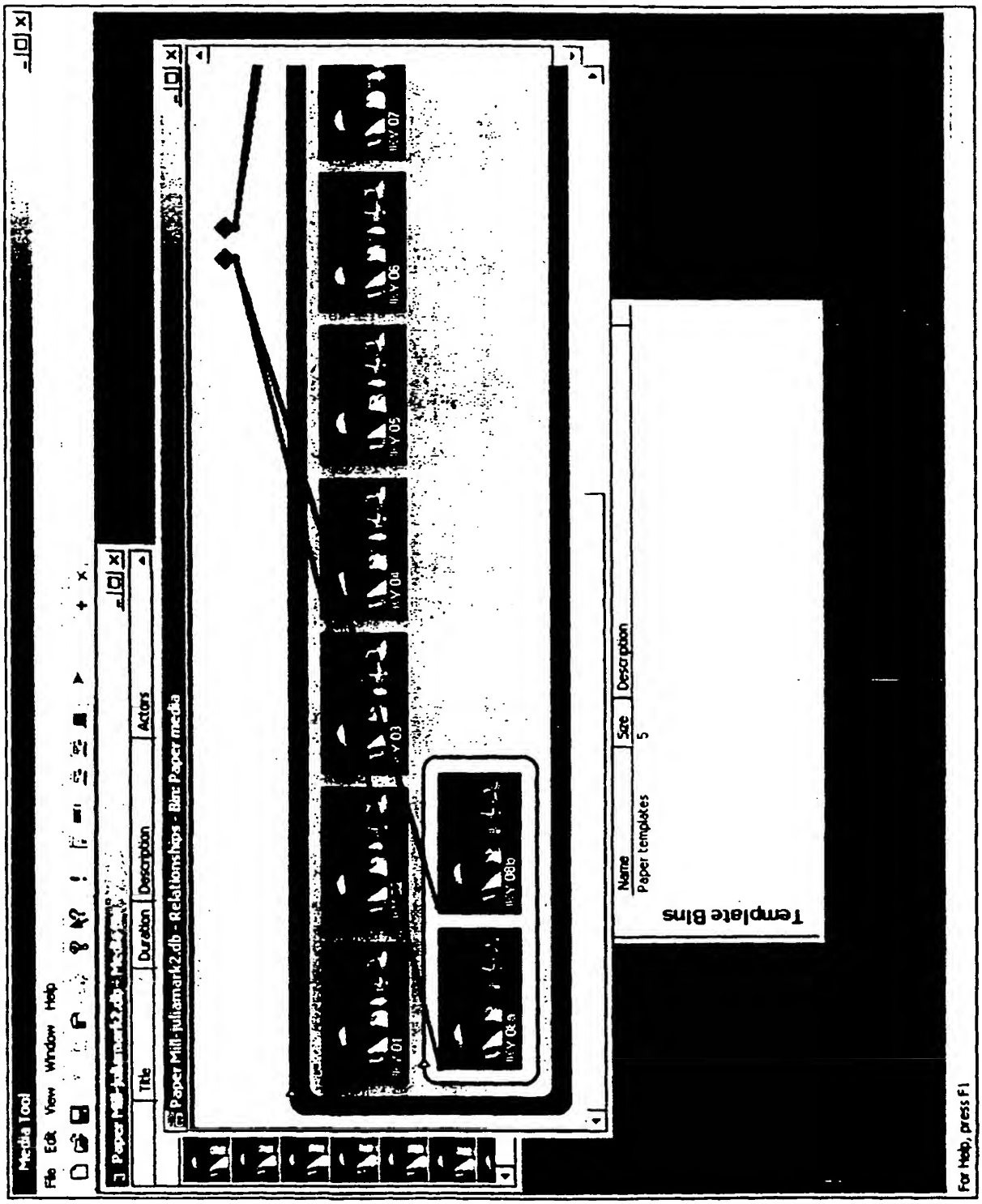

Media Tool
File Edit View Window Help
Paper Mill-juliamark2.db - Relationships - Blm: Paper media
Title
Duration
Description
Actors
Template Blms
Name
Size
Description
Paper templates
5
For Help, press F1

Fig.17.

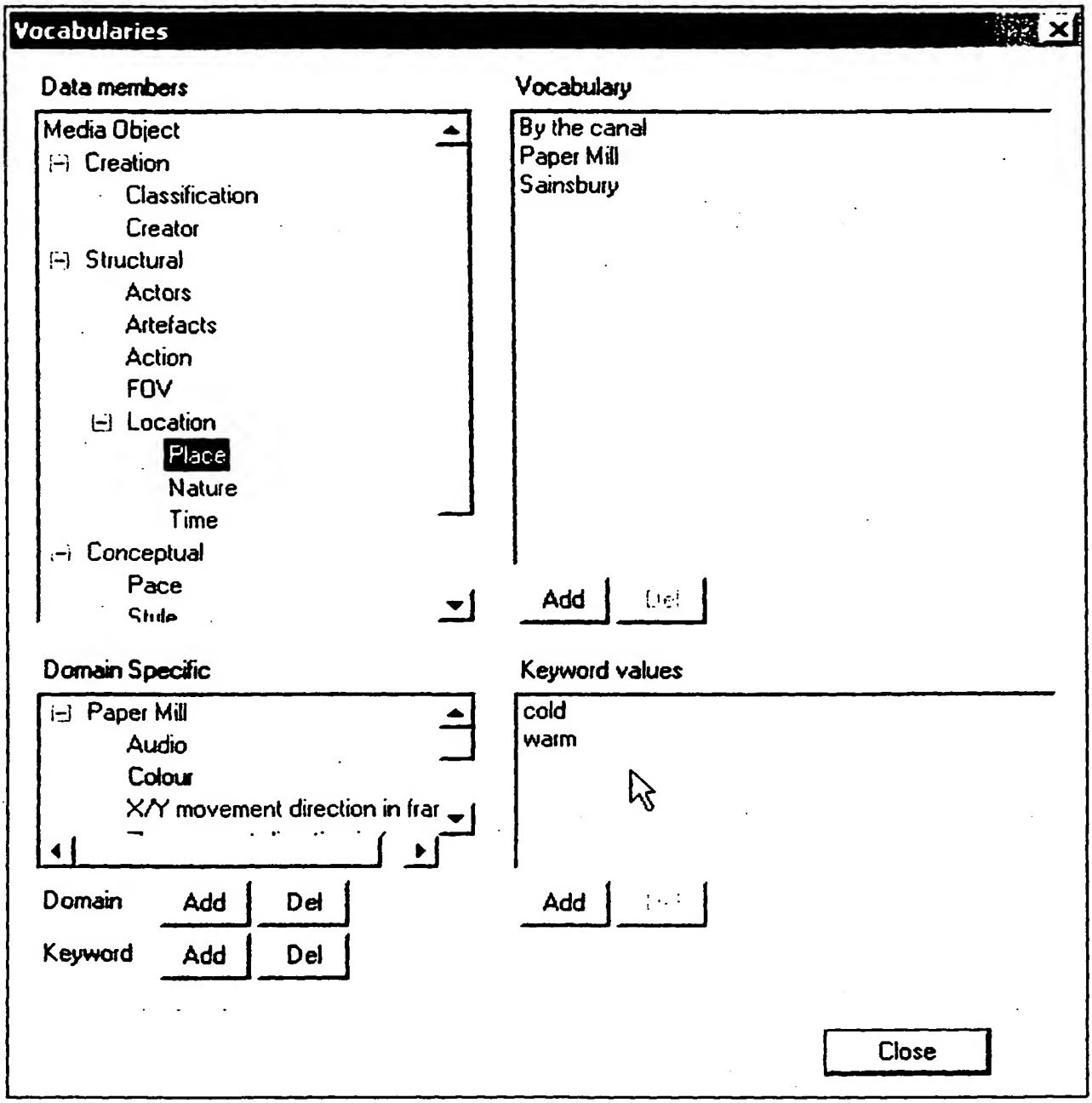

Vocabularies
Data members
Media Object
Creation
Classification
Creator
Structural
Actors
Artefacts
Action
FOV
Location
Place
Nature
Time
Conceptual
Pace
Vocabulary
By the canal
Paper Mill
Sainsbury
Add
Domain Specific
Paper Mill
Audio
Colour
X/Y movement direction in frar
Keyword values
cold
warm
Domain
Add
Del
Keyword
Add
Del
Add
Close

Fig.18.

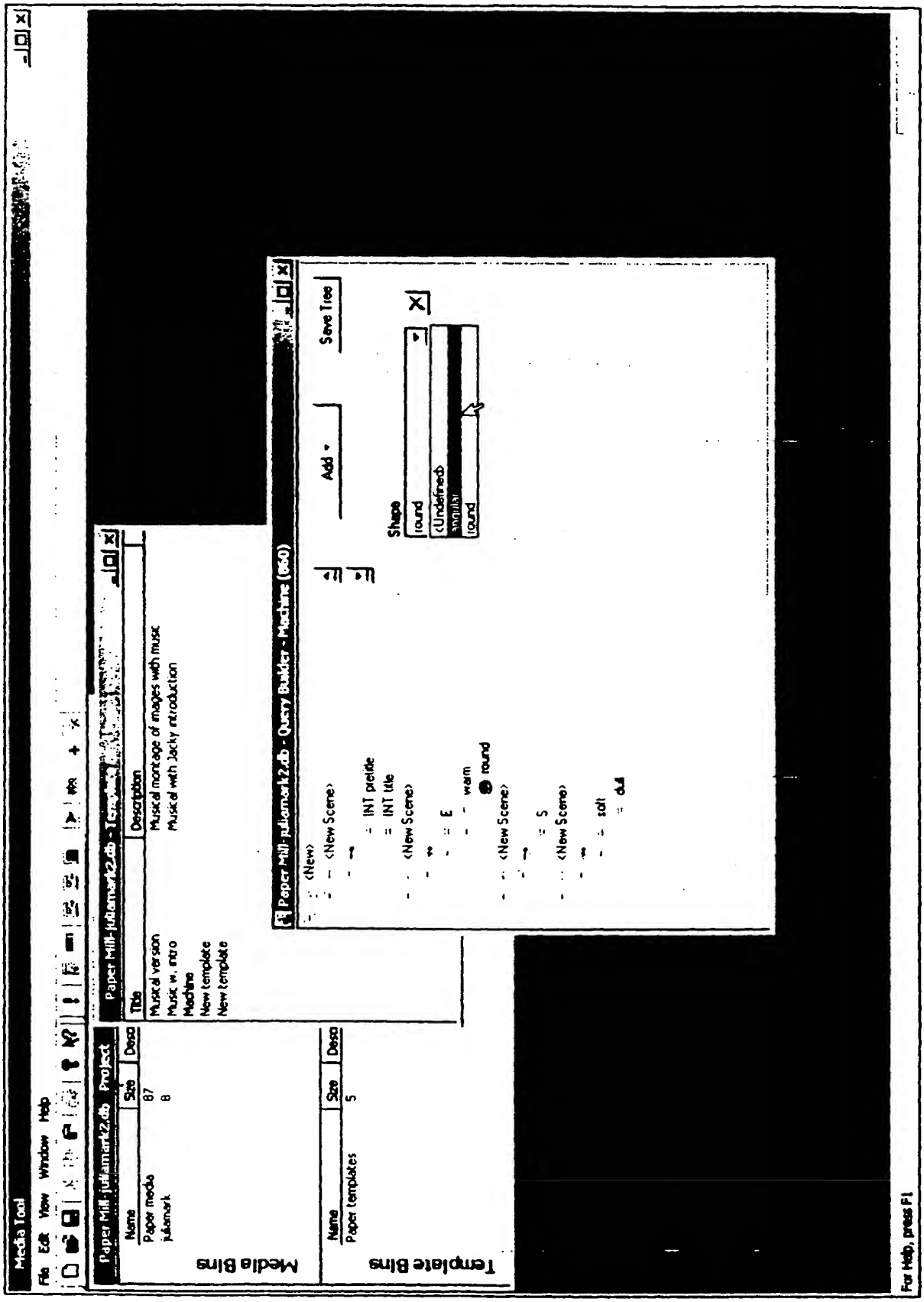

Media Tool
File Edit View Window Help
Paper Mill Jukemark2.db Project
Name
Size
Desc
Paper media
87
Jukemark
8
Media Bins
Paper Mill Jukemark2.db - Templates
Title
Description
Musical version
Musical montage of images with music
Music w. intro
Musical with Jacky introduction
Machine
New template
New template
Template Bins
Name
Size
Desc
Paper templates
5
Paper Mill Jukemark2.db - Query Builder - Machine (old)
Add
Save Tree
<New>
<New Scene>
INT prelde
INT title
<New Scene>
E
warm
round
<New Scene>
S
<New Scene>
salt
out
Shape
round
<Undefined>
rectangular
round
For Help, press F1

Fig.19.

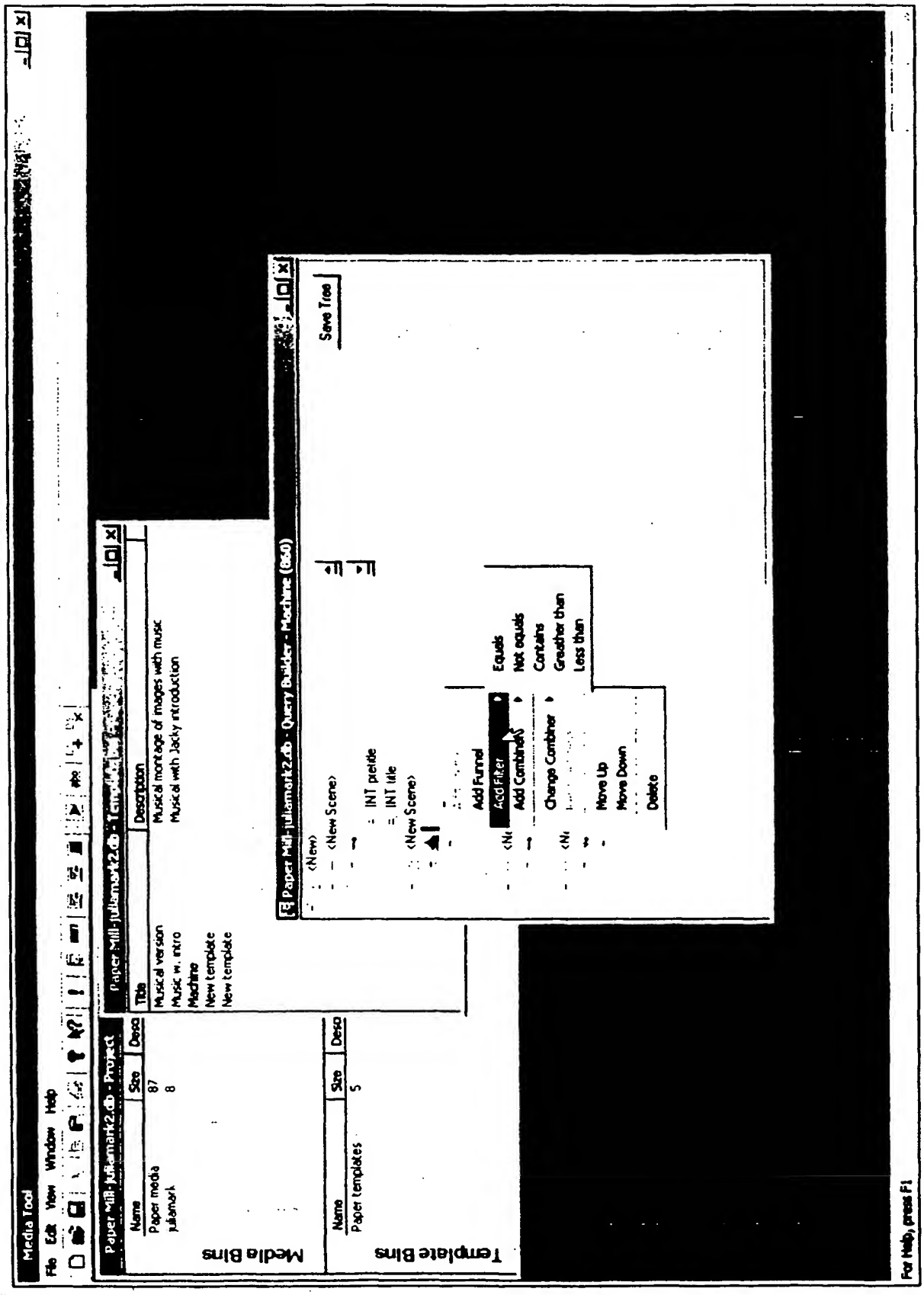

Media Tool
File Edit View Window Help
Paper Mill-julia mark2.db - Project
Media Bins
Name
Size
Desc
Paper media
julia mark
87
8
Template Bins
Paper templates
5
Paper Mill-julia mark2.db - Template
Title
Description
Musical version
Music w. intro
Machine
New template
New template
Musical montage of images with music
Musical with Jacky introduction
Paper Mill-julia mark2.db - Query Builder - Machine (650)
Save Tree
(New)
(New Scene)
INT prelde
INT title
(New Scene)
Add Funnel
Add Filter
Add Combiner
Change Combiner
Move Up
Move Down
Delete
Equals
Not equals
Contains
Greather than
Less than
For Help, press F1

Fig.20.

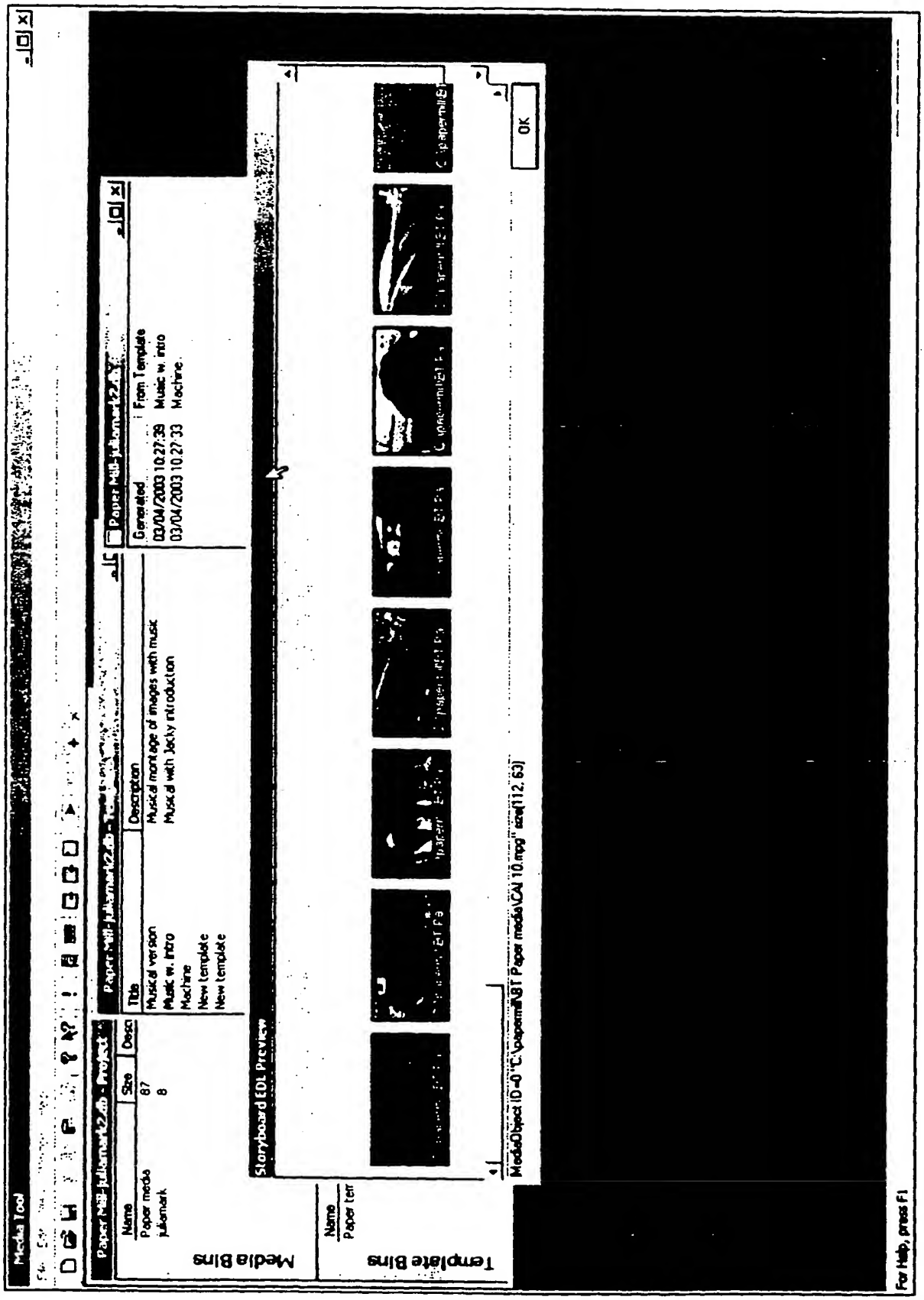
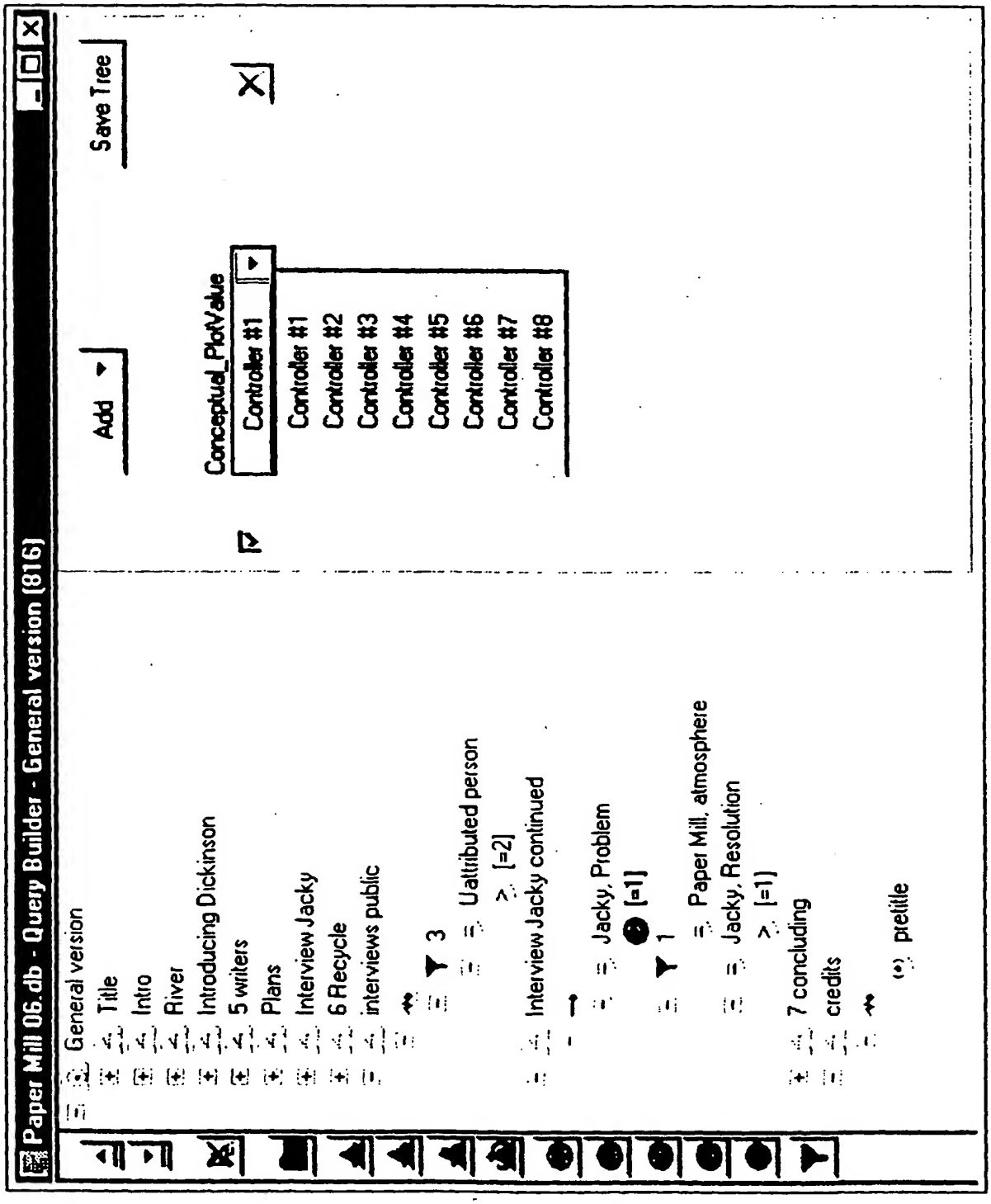
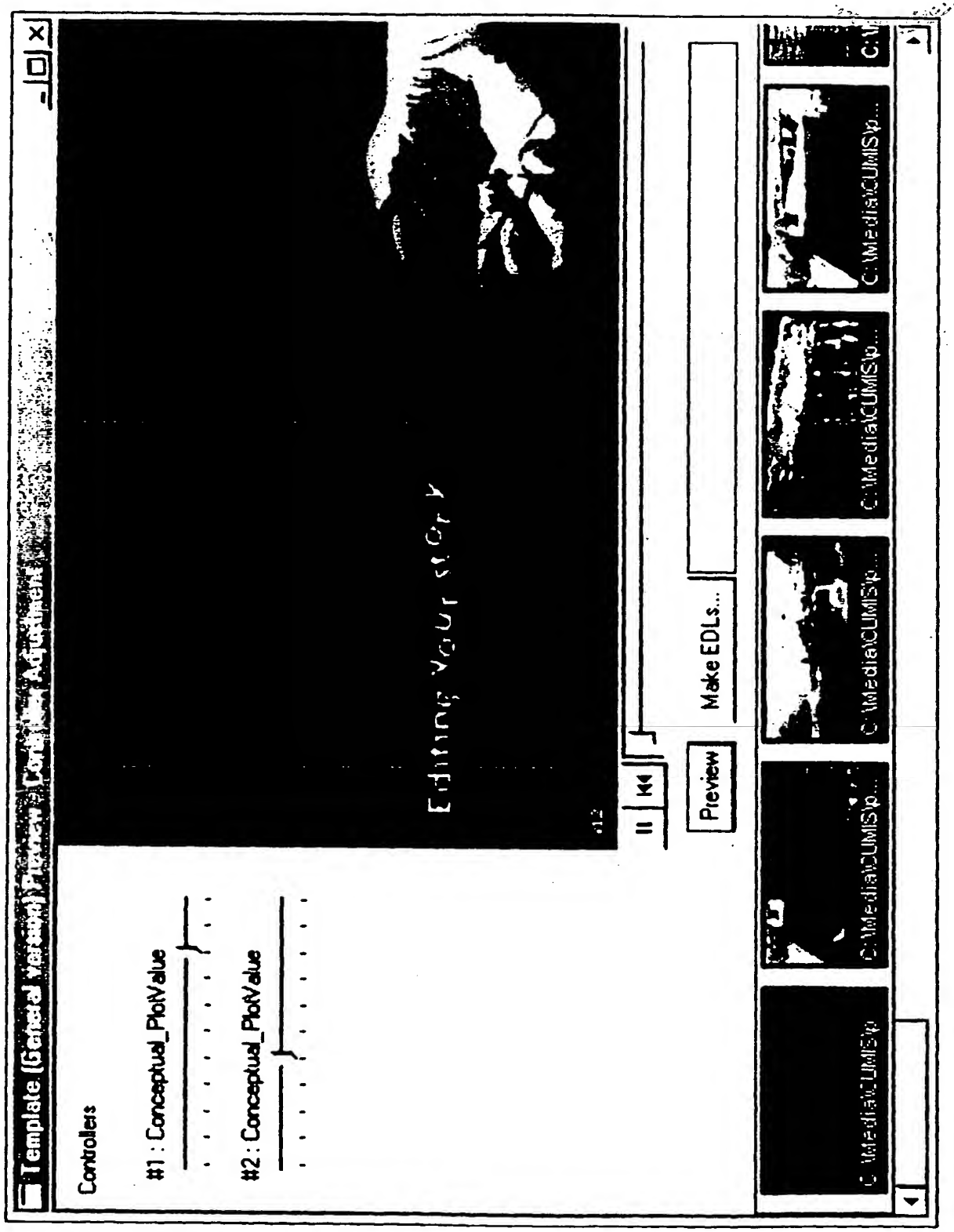

Media Tool
Media Bins
Name
Paper media
julianark
Size
87
8
Desc
Template Bins
Name
Paper ter
Storyboard EDL Preview
Title
Description
Musical version
Musical montage of images with music
Music w. intro
Musical with Jacky introduction
Machine
New template
New template
Generated
From Template
03/04/2003 10:27:39
Music w. intro
03/04/2003 10:27:33
Machine
OK
For Help, press F1

Fig.21.


Paper Mill 06.db - Query Builder - General version (816)
General version
Title
Intro
River
Introducing Dickinson
5 writers
Plans
Interview Jacky
6 Recycle
interviews public
3
Uattributed person
[=2]
Interview Jacky continued
Jacky, Problem
[=1]
1
Paper Mill, atmosphere
Jacky, Resolution
[=1]
7 concluding
credits
pretitle
Add
Save Tree
Conceptual_PlotValue
Controller #1
Controller #1
Controller #2
Controller #3
Controller #4
Controller #5
Controller #6
Controller #7
Controller #8

10/525381

Fig.22.



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